20020924.qrp v02_n688.qrl.20020924

Date: Tue, 24 Sep 2002 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2688

QRP-L Digest 2688

Topics covered in this issue include:

 1) [135841] QRP Afield scoring
 by David M Kopacki <kf2ew@juno.com>
 2) [135842] Re: Non-resonant groundplane verticals?
 by "W3CDE Jerry L." <w3cde@bellsouth.net>
 3) [135843] Testing don't open
 by "Pastor-KC1DI" <elbc@gwi.net>
 4) [135844] QRP with 12-volt Tubes?
 by "James P. Rybak" <jrybak@mesastate.edu>
 5) [135845] QRP AField from NTX - 21 Sep 2002
 by "Steve Yates - AA5TB" <aa5tb@arrl.net>
 6) [135846] Re: How Much do I Operate?
 by "Trevor Jacobs" <kg6cyn@earthlink.net>
 7) [135847] Re: QRP Afield scoring
 by W2AGN <w2agn@w2agn.net>
 8) [135848] Alliance Model U98 rotor
 by Bruce Rattray <rattray@gpfn.sk.ca>
 9) [135849] QRP++ Eprom..now in my possession. tnx Jerry.
 by ve3ab@mail.mondenet.com
 10) [135850] RE: QRP with 12-volt Tubes?
 by "Tracy Markham" <tracy@bytemark.com>
 11) [135851] RE: Measuring input/output impedance with resistors
 by Nick Kennedy <nkennedy@tcainternet.com>
 12) [135852] FS
 by <mgoins@usa.net>
 13) [135853] lo vhf oscillator
 by "Tracy Markham" <tracy@bytemark.com>
 14) [135854] Re: Non-resonant groundplane verticals?
 by Bill ROWLETT <kc4atu@yahoo.com>
 15) [135855] FOR SALE
 by <mgoins@usa.net>
 16) [135856] KF2EW QRP Afield report
 by David M Kopacki <kf2ew@juno.com>
 17) [135857] Replacement for 2N5179
 by "Paul Taylor" <ptaylor@agentissoftware.com>
 18) [135858] Re: How Much do I Operate?
 by "Ralph Irons" <n7ri@earthlink.net>
 19) [135859] Highest QRP AField Operation

 by W0rw@aol.com
20) [135860] "How do I love"(operate)" thee...let me count the ways"...
 by "Bill, N4QA" <n4qa@hotmail.com>
21) [135861] RE: How Much do I Operate?
 by Nick Kennedy <nkennedy@tcainternet.com>
22) [135862] Re: How Much do I Operate?
 by Jim Poe <kg4gon@bellsouth.net>
23) [135863] RE: How Much do I Operate?
 by "N8IE" <n8ie@woh.rr.com>
24) [135864] Rock-Mite/30 Lives
 by Chuck Carpenter <w5usj@9plus.net>
25) [135865] Re: How Much do I Operate?
 by "Steve Yates - AA5TB" <aa5tb@arrl.net>
26) [135866] Re: How Much do I Operate?
 by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
27) [135867] Rock Mite SMT Drama (or lack thereof)
 by "Jason Hissong" <jhisson1@columbus.rr.com>
28) [135868] Re: How Much do I Operate
 by "James R. Duffey" <jamesd1@flash.net>
29) [135869] RE: Rock-Mite/30 Lives
 by "N8IE" <n8ie@woh.rr.com>
30) [135870] How much do I operate
 by Tim Pettibone <k5oi@cox.net>
31) [135871] Interesting Contact
 by "Joe W2KJ" <w2kj@earthlink.net>
32) [135872] 1/2 length G5RV
 by "Mike Mullins" <mmullins@mastnet.net>
33) [135873] How Much do I Operate ?
 by "Walt Amos" <k8cv@netzero.net>
34) [135874] FS: Apple Powerbook
 by john <john@wagner-usa.net>
35) [135875] FS: "K2+accessories" kits
 by "George Heron N2APB" <n2apb@erols.com>
36) [135876] Re: How Much do I Operate?
 by "Max Moon" <maxmoon@umn.edu>
37) [135877] Re: How Much do I Operate?
 by wb0wao@hotmail.com (Dennis Ponsness)
38) [135878] Re: How Much do I Operate?
 by Fghester@aol.com
39) [135879] Re: How Much do I Operate?
 by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
40) [135880] Re: How Much do I Operate?
 by Bruce Rattray <rattray@gpfn.sk.ca>
41) [135881] Rock-Mite 20 found :-)
 by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
42) [135882] Re: Rock-Mite/30 Lives
 by wb0wao@hotmail.com (Dennis Ponsness)
43) [135883] H8A on 30 Metres

by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
44) [135884] No Rock-Mite after all 8^(
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
45) [135885] FS: Tokyo Hy-Power HT-750 with speaker-mic, $375
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
46) [135886] Re: lo vhf oscillator
by "Leon Heller" <leon_heller@hotmail.com>
47) [135887] SafetyKeyer - A Homebrew Project
by "blinn" <blinn@smgazette.com>
48) [135888] How much air time
by kwike@gdls.com
49) [135889] Re: Non-resonant groundplane verticals?
by Bruce Muscolino <w6toy@erols.com>
50) [135890] Four State QRP Group "Ham-Out" Report
by "David Bixler" <qrp@netins.net>
51) [135891] Re: How Much do I Operate?
by Bruce Muscolino <w6toy@erols.com>
52) [135892] Re: New Book: Simple Test Equipment for the QRPer now shipping
by "Michael C. Boatright" <ko4wx@mindspring.com>
53) [135893] RE: How Much do You Operate
by "Mullin, Edward J." <mulline@tycoelectronics.com>
54) [135894] Tonight, Tuesday NEQRP SSB Net at 7:30PM EDST on 7.286Mhz +- 5Kh
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
55) [135895] Re How much do I operate?
by Eric NM5M <res19m7g@verizon.net>
56) [135896] Re: How Much do I Operate?
by W2AGN <w2agn@w2agn.net>
57) [135897] Re: Interesting Contact
by "Lee Mairs" <lmairs@cox.net>
58) [135898] Re: How Much do I Operate?
by "Lee Mairs" <lmairs@cox.net>
59) [135899] New RF/IF amp from Analog Devices
by "Leon Heller" <leon_heller@hotmail.com>
60) [135900] Re: How Much do I Operate?
by "Kevin M., KC8SFJ" <adverseyaw@twmi.rr.com>
61) [135901] MFSK QRP......
by Fred Lesnick <flesnick@tbaytel.net>
62) [135902] Re: SafetyKeyer - A Homebrew Project
by Michael Pupeza <mpupeza@sympatico.ca>
63) [135903] Meissner
by brewerj@squared.com
64) [135904] Re: MFSK QRP......
by "Bill Jones" <kd7s@psnw.com>
65) [135905] FS: SG2020
by nilsbull@juno.com
66) [135906] Re: New Book: Simple Test Equipment for the QRPer now shipping
by "W3CDE Jerry L." <w3cde@bellsouth.net>
67) [135907] Re: How Much do I Operate?

by "George, W5YR" <w5yr@att.net>
68) [135908] Re: FS: SG2020
by Thom LaCosta <baltimoremd@baltimoremd.com>
69) [135909] Re: MFSK QRP......
by Ken Hopper <khopper@uchicago.edu>
70) [135910] mu metal source
by Pete Burbank <plburbank@kih.net>
71) [135911] Re: Replacement for 2N5179
by "laura halliday" <marsgal42@hotmail.com>
72) [135912] Re: How Much do I Operate?
by "res075cz" <res075cz@gte.net>
73) [135913] Re: New RF/IF amp from Analog Devices
by Chris Trask <ctrask@primenet.com>
74) [135914] Re: Replacement for 2N5179
by Chris Trask <ctrask@primenet.com>
75) [135915] RE: New Book: Simple Test Equipment for the QRPer now shipping
by Mark Schoonover <schoon@amgt.com>
76) [135916] Re: How Much do I Operate?
by Bruce Muscolino <w6toy@erols.com>
77) [135917] RE: Replacement for 2N5179
by "Tracy Markham" <tracy@bytemark.com>
78) [135918] Homebrew Outbacker
by Alex <kr1st@amsat.org>
79) [135919] Re: How Much do I Operate?
by Arth Silvers <w6ags@arrl.net>
80) [135920] "Home-Brew" = alcoholic?
by "Tracy Markham" <tracy@bytemark.com>
81) [135921] The non resonant monopole issues
by "Stuart Rohre" <rohre@arlut.utexas.edu>
82) [135922] Re: How Much do I Operate?
by Lloyd Lachow <llachow@yahoo.com>
83) [135923] Lead Acid Reverse Charge Question
by WA6GER@aol.com
84) [135924] Re: "Home-Brew" = alcoholic?
by Jake Brodsky <frussle@erols.com>
85) [135925] Re: How Much do I Operate? 596 in 2002
by Ken Hopper <khopper@uchicago.edu>
86) [135926] Re: "Home-Brew" = alcoholic?
by David Hinerman <WD8CIV@worldnet.att.net>
87) [135927] Re: Lead Acid Reverse Charge Question
by "Mike Yetsko" <myetsko@insydesw.com>
88) [135928] Re: mu metal source
by Pete Burbank <plburbank@kih.net>
89) [135929] Re: How Much do I Operate?
by geoff allsup <gallsup@whoi.edu>
90) [135930] Re: The non resonant monopole issues
by Bill ROWLETT <kc4atu@yahoo.com>
91) [135931] Coast Guard Communications

 by kwike@gdls.com
 92) [135932] Re: How Much do I Operate?
 by Jim Stiles <jjstiles@optonline.net>
 93) [135933] Redhot NorCal 20M or NorCal Sierra
 by "Richard Johnson" <richard_johnson@credence.com>
 94) [135934] Elmer 101 course
 by Larry - WA2DGD <wa2dgd@comcast.net>
 95) [135935] Re: Redhot NorCal 20M or NorCal Sierra
 by "John J. McDonough" <wb8rcr@arrl.net>
 96) [135936] Re:Lead Acid Reverse Charge Question
 by Dennis Doran <wb8wtu@yahoo.com>
 97) [135937] Re: Lead Acid Reverse Charge Question
 by "" <markb@abq.com>
 98) [135938] Re: Homebrew Outbacker
 by Bruce Muscolino <w6toy@erols.com>
 99) [135939] NE602 Front-Ends and Contests
 by rsstone@juno.com
100) [135940] Re: The non resonant monopole issues
 by "Stuart Rohre" <rohre@arlut.utexas.edu>
101) [135941] Addendum: Reverse Charging Question
 by WA6GER@aol.com
102) [135942] Re: NE602 Front-Ends and Contests
 by wb0wao@hotmail.com (Dennis Ponsness)
103) [135943] Re: How Much do I Operate?
 by George Franklin <w0av@juno.com>
104) [135944] LINUX Morse Code Generation
 by Chuck Adams <k7qo@earthlink.net>

Date: Mon, 23 Sep 2002 19:09:20 -0400
From: David M Kopacki <kf2ew@juno.com>
To: qrp-l@lehigh.edu
Subject: [135841] QRP Afield scoring
Message-ID: <20020923.190921.-16540581.0.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The rules say to take your best 6 consecutive hours for scoring, is that
right? So you have to go through your log and figure out which 6 hours
were the best?

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http://dl.www.juno.com/get/web/.

Date: Mon, 23 Sep 2002 19:08:19 -0400
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135842] Re: Non-resonant groundplane verticals?
Message-ID: <3D8F9EE3.3063AAE3@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

NOPE... Just a 2' length of 1/2 galvanized water pipe,
driven in the ground.

Jerry

Bruce Muscolino wrote:
>
> But, remember, your Gotham vertical was brought to resonance by a
> loading coil. This is a different antenna than a monopole over a ground
> plane. Did you actually have a ground plane?
>
> 73

Date: Mon, 23 Sep 2002 19:09:29 -0400 (Eastern Daylight Time)
From: "Pastor-KC1DI" <elbc@gwi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135843] Testing don't open
Message-ID: <3D8F9F29.000026.51913@elbc>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

Testing connection to Qrp-l

Date: Mon, 23 Sep 2002 17:08:53 -0600 (MDT)
From: "James P. Rybak" <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [135844] QRP with 12-volt Tubes?
Message-ID: <Pine.LNX.4.21.0209231706180.5143-100000@mesastate.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone tried making a QRP transmitter using some of the tubes that use 12 volts on the plate, such as the 12AL8 ? If so, I'd like to hear your results and get a schematic from you.

Thanks.

Jim Rybak W0KSD

Date: Mon, 23 Sep 2002 18:16:06 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distibute" <qrp-l@lehigh.edu>
Subject: [135845] QRP AField from NTX - 21 Sep 2002
Message-ID: <000301c26357$32cdae00$1436a6d8@Hal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I didn't get to go anywhere or spend much time in the contest but I had a good time on 20m. I used my trusty old MFJ-9020 at about 4 watts and my homebrew 3' magnetic loop antenna. I operated out of my backyard on and off for about 2 hours. I worked 13 stations and 2 of those were in a different contest (WA QSO party or something?). Highlight was working K0CV with his 300 mw.

If you care to take a look at my casual backyard setup I've uploaded a photo to:

http://www.qsl.net/aa5tb/Img_4662.jpg

The tent in the background was for the kids since the weather was so nice.

73,
Steve Yates - AA5TB

http://www.qsl.net/aa5tb/

Date: Mon, 23 Sep 2002 16:26:54 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <ki6ds@dph.dpol.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135846] Re: How Much do I Operate?
Message-ID: <009a01c26358$b472f5e0$461ef4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nice topic Doug!

I had to look back in the log books. I keep a regular size log book for the home QTH and a mini-log for portable. My operating definitely fell off after April, as I became very busy with work and other non-ham related projects. Kinda seems to go that way with me, as I do more operating in the Fall/Winter.

Home QTH QSO's (non-contest) - 51
Portable QSO's (non-contest) - 47

99% of these QSO's were QRP CW, the other 1% being the few QRP SSB QSO's, as I only logged a couple. I didn't include my AM QSO's as they are QRO, and I usually don't log them unless it's a new contact. Most of the AM QSO's are with the same group out here on the West Coast.

Rigs used for the above QSO's: FT-817, HW-8, SMK-1, DSW-40, Norcal 49er, SW-40+/DDS Signal Generator Combo.

Home Antenna: Center Fed Zepp at 100' in length of 12 AWG solid copper insulated, fed with window line (450 Ohm), hung as an inverted vee, up about 45' in the center, tuned with a Johnson KW Matchbox.

Portable antennas: Center Fed Zepp made of 100' of 22 AWG stranded copper, fed with cheap Radio Shack TV Twin Lead into an MFJ-971 tuner. Hung as either a flat top or inverted vee depending on location. Also use an MP-1 for 20 through 10 when no support for the Zepp is available. This has been the portable antenna setup for the last year and seems to work well. Also used the Zepp last Winter from the Hotel in Middleton, WI and it worked great. Even bagged a FOXII with it!

Take care...

73's Trev KG6CYN
http://home.earthlink.net/~kg6cyn
http://www.qsl.net/kg6cyn

Date: Mon, 23 Sep 2002 19:28:01 -0400
From: W2AGN <w2agn@w2agn.net>
To: kf2ew@juno.com,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135847] Re: QRP Afield scoring
Message-ID: <3D8F6B41.32031.1195D74A@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 23 Sep 2002 at 19:09, David M Kopacki wrote:

> The rules say to take your best 6 consecutive hours for scoring, is that
> right? So you have to go through your log and figure out which 6 hours
> were the best?

Best 6 consecutive hours. It's not rocket science. ;-)

--
 _ _ _ _ _
 / \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) http://www.w2agn.net
 _/ _/ _/ _/ _/ QRPARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS

Date: Mon, 23 Sep 2002 17:30:15 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
 Low Power Group <qrp-l@lehigh.edu>
Subject: [135848] Alliance Model U98 rotor
Message-ID: <Pine.LNX.4.33.0209231726530.572-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...picked up the above rotor at a flea market....it's one of those ones that you turn the rotor knob to the direction you want your antenna to point and it "clicks" to that position on it's own...does anyone have the manual on this model please?...it's working but not 100%...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 23 Sep 2002 19:34:00 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@lehigh.edu
Subject: [135849] QRP++ Eprom..now in my possession. tnx Jerry.
Message-ID: <200209232337.g8NNbZ3D017015@phlox.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Just a short post. The QRP++ Programmed Eprom just arrived today. Tnx to Jerry Terres who kindly sent it up North here! Ill burn off several copies tommorrow and then test the copies that evening in my QRP+ and see how it works. Ill test it both on CW and SSB to be sure everything functions correctly..and if so..then this will become the MASTER CODE which will be used to program all the other EPROMs.
73 Earl Ve3ab

Date: Mon, 23 Sep 2002 16:33:29 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <jrybak@mesastate.edu>
Subject: [135850] RE: QRP with 12-volt Tubes?
Message-ID: <GNEOLGDJDOPEALHJMKLCEEDBCMAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I can't give you a URL offhand, but I found a lot of 12v tube receivers and transmitters when I was searching for regenerative radio schematics. The 'GlowBugs' will probably be a good place to start.

Good Luck!
Tracy N4LGH

Has anyone tried making a QRP transmitter using some of the tubes that use 12 volts on the plate, such as the 12AL8 ? If so, I'd like to hear your results and get a schematic from you.

Thanks.

Jim Rybak W0KSD

Date: Mon, 23 Sep 2002 18:50:23 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'k4vib@att.net'" <k4vib@att.net>,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135851] RE: Measuring input/output impedance with resistors
Message-ID: <01C26332.138E4240.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

For output resistance, I use a method that's similar, but maybe a little more general. In separate measurements, I attach two different loads (R1 and R2) to the source with unknown internal Rs and make two successive voltage readings. This allows solving for the unknown Rs. The formula I use is

Rs =[R1*R2 *(V1-V2)] / [R1*V2 - V1*R2]

If I did the math right. (Trying to convert from a spreadsheet formula to a real equation ...)

Haven't thought about input R. Maybe measure it with the antenna analyzer?

72--Nick, WA5BDU

-----Original Message-----
From: k4vib@att.net [SMTP:k4vib@att.net]

I remember seeing somewhere how one could measure input/output impedance
with
parallel resistors and it involved using the resistance where the power
dropped
in half. Could someone give me exact details on doing this for the input
and
output impedace of my RF stages?

Thanks,

Bill
K4VIB

Date: Mon, 23 Sep 2002 18:56:11 -0500
From: <mgoins@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [135852] FS
Message-ID: <200209240004.g8O03JfB010888@rain.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Kenwood 440, with hand mike, original manual and battered original double=
 box.
$450 picked up in Houston (or nearby). =

Still ahve quad poles for a 10-20 meter quad (or 20 meter monobander) and=
 two
cubex spiders. Second buyer backed out when he realized how big a 20 mete=
r
quad really is. Great antenna though. No boom, but might help with some w=
ire.
Best offer.

mike
wb5yjx

Date: Mon, 23 Sep 2002 17:03:39 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [135853] lo vhf oscillator
Message-ID: <GNEOLGDJDOPEALHJMKLCMEDCCMAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hey guys, I got my 78 MHz crystals - found some in FL that were 38.00053,
and I got the samples from Hooray Electronics that are 78MHz 3rd overtone,
20pF.

Can anyone suggest a schematic for an oscillator I can start with?

Tnx!
Tracy N4LGH

Date: Mon, 23 Sep 2002 17:13:27 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: w3cde@bellsouth.net,
	Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135854] Re: Non-resonant groundplane verticals?
Message-ID: <20020924001327.94237.qmail@web14208.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Went through the stack of stuff here and found an
article from the June 1999 or 1998 QST about a wire
1/4 wave groundplain for 40 meters feed with 450ohm
line. Looks interesting, author used it on all bands
from 10 to 40 with it also loading up on 80 and a
onetime use on 160. It is 33 foot vertical with three
33 foot radials hung from a tree. Feed point is about
10 feet above ground. I just love the simple ideas.

73 Bill kc4atu

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

Date: Mon, 23 Sep 2002 19:19:36 -0500

From: <mgoins@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [135855] FOR SALE
Message-ID: <200209240021.g8O0LJRn019478@rain.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Trying to get the station smaller and ready to be all solar powered. In
addition to the 440 Kenwood and quad stuff for sale, I also have the
following:

Oak Hills Research Spirit with RIT and OHR built-in keyer. Excellent 20 m=
eter
rig - works great, $125

Heil Goldline Mike, dual element, original packaging, mike only. Used ssb=
 at 1
watt, $90

Icom IC-T2H HT, 6 watt, like new (don't like 2 meters). $75

KLM 60 watt 2 meter amp, $60

Thanks.

mike
wb5yjx

Date: Mon, 23 Sep 2002 20:22:01 -0400
From: David M Kopacki <kf2ew@juno.com>
To: qrp-l@lehigh.edu
Subject: [135856] KF2EW QRP Afield report
Message-ID: <20020923.202202.-16540581.1.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In a word - awesome!

WX was great, propogation was good. I camped at the Promised Land State
Park in PA, put up a carolina windom and would have put up the VE7CA wire

beam but forgot coax for it! I made 22 qso's on 15m, 53 on 20m, 29 on 40m and 10 on 80 meters, for a total of 114 contacts. I had 1 qso with WQ1RP, worked 43 states and 8 countries.

After comparing 28 different 6-hr periods, I settled on 1712Z - 2312Z. In that time period, I had 67 qso's, worked 26 states and 8 countries. Unfortunately, my WQ1RP contact did not fall in this time period.

All contacts were 5w from a field location. Total score is 67 qsos x 10 pts x 26 s/p/c's = 17,420.

Highlight: working my friend John, AE5X on 40m! I had so much fun and the location was so good that I made reservations today to go back for Sweepstakes!

Mike, KF2EW

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http://dl.www.juno.com/get/web/.

Date: Tue, 24 Sep 2002 10:24:18 +1000
From: "Paul Taylor" <ptaylor@agentissoftware.com>
To: <qrp-l@lehigh.edu>
Subject: [135857] Replacement for 2N5179
Message-ID: <IDEFLHJDJFJDDCLBEMOACEIECAAA.ptaylor@agentissoftware.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

I am constructing a superhet receiver, originally designed by Hal Hepburn (VK3AFQ) and published in the Wireless Institute of Australia's magazine in the late '80s. It'll be a multiband QRP when it's finished.

The design uses a 2N5179 as a broadband injection oscillator buffer (HF only), and I can't source one locally (Australia).

Can anyone suggest a reasonable substitute for this transistor? I have found MRF904 but this is equally unobtainable. I may be reduced to a 2N2222 unless someone has a better suggestion...

73 - Paul VK3HN.

Date: Mon, 23 Sep 2002 20:30:44 -0400
From: "Ralph Irons" <n7ri@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [135858] Re: How Much do I Operate?
Message-ID: <CHEGLAJDPKLFHIHBBEAHMEHFCEAA.n7ri@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So far in 2002, 85 QSOs -- 15 on SSB.

Rig: K2
Ant: Drooping dipole

Watch the total skyrocket once the Rock Mite gets built ; - >

Ralph N7RI
Charlottesville, VA

Date: Mon, 23 Sep 2002 20:48:58 EDT
From: W0rw@aol.com
To: qrp-l@lehigh.edu
Subject: [135859] Highest QRP AField Operation
Message-ID: <22.2f26c972.2ac1107a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Great QRP Day to you all !
KG5N (Nick) worked 20 meters and made 65 Q's
with his home brew 2W Sierra to a dipole.
i (w0rw - Paul) worked 15 meters and made about 30 Q's,
One PA0 (Netherlands) and one DL5 station on my PRC-319
to a 30 foot vertical ant.
We were at 9500 feet in the Mueller State Park, It was a bright and sunny
day mit Aspen trees turning yellow, and over a week ago since there had been
any snow.
i also got to do some HF Back Packing along the trails on SSB.
K5C made kinda a big splash on 21060 and every one was
strong. Even KB9YIG with his 1/2 W.

Nil on 10M, 40M or 80M.
72 de w0rw

Date: Mon, 23 Sep 2002 21:10:04 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [135860] "How do I love"(operate)" thee...let me count the ways"...
Message-ID: <F42JbLMHOp6FB3V9qpc00003dd2@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

With apologies to Elizabeth Barrett Browning...

"I love"(operate) "thee to the depth and breadth and height
My soul can reach,..." wait,wait...that's another story...

For ad 2002, to date, looks like eight ARRL logbook sheets chock full o'
QSOS using, in order of their appearance and best DX:
Meissner Signal Shifter, model EX...OH0TA on ten meters...5 watts
DSW-40...one contact...Michigan...1 watt
DSW-20...8J1ITU/1, VK8AN/QRP...1 watt
HW-7 on 20 meters...VP9/W8MV...1.5 watt(s)
Rock-Mite-20...Argyle, TX, 980 Mi, as the crow flies...THIRTY mW!
Eico 723 at 30 watts on 40 meters...what was I thinking...
Never mind...
All o' the above using 250-ft-long, end-fed, 17-gauge, solid-aluminum
(aluminium)longwire.

73.
Bill, N4QA
http://www.qsl.net/n4qa/

Chat with friends online, try MSN Messenger: http://messenger.msn.com

Date: Mon, 23 Sep 2002 20:54:13 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'ki6ds@dph.dpol.net'" <ki6ds@dph.dpol.net>,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135861] RE: How Much do I Operate?
Message-ID: <01C26343.609A9FA0.nkennedy@tcainternet.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Putting us on the spot, eh? I haven't worked KI6DS, so one (or both) of us ain't getting the job done! Maybe it's that RF absorbing curtain between AR and CA.

Contests can certainly bias things. I've had years where I've averaged two QSOs per day, but all QSOs were made in one or two days (FD, SS). I've had really lean years that used less than one page in the log.

This year--I dunno--maybe a couple hundred, excluding big contests but including little ones. Like bagging twenty Pesky Texans in one glorious night. I like to start the year with an SKN QSO, HT-40, VF-1, Drake 2B.

It's good to run the spectrum--from 160 to VHF/UHF. First QSOs with a newly homebrewed rig. This year was my first introduction to HF (CW) mobile. Always something new to try in ham radio.

72--Nick, WA5BDU

... who mostly gets "on" on weekends

-----Original Message-----
From: Doug Hendricks [SMTP:ki6ds@dph.dpol.net]
How many qso's have you made this year?

Date: Mon, 23 Sep 2002 21:22:45 -0500
From: Jim Poe <kg4gon@bellsouth.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135862] Re: How Much do I Operate?
Message-ID: <B9B536A4.37E5%kg4gon@bellsouth.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Doug and the list,

I'm a new CW and QRP operator, so I have only a 6 QSO's (first one on 10 Sept), but they were all in dIfferent states: TN, KY, PA, VT, MI, AND NC. Not much compared to some of you guys, but all in all, a great start for me(44 to go for WAS). All on 2 watts. This stuff is a blast!

See ya on 7.110.

Jim
KG4GON

nnnn

on 9/23/02 11:11 AM, Doug Hendricks at ki6ds@dph.dpol.net wrote:

> How many qso's have you made this year? I was sitting around last night,
> reading through qrp-l, and I thought, hmmn, seems to be several guys on here
> who talk about operating, and several who operate keyboards only. I think
> it would be neat for us to post to the list how many qso's we've had this
> year, and the radios we have used to do it with. I'll start:
>
> QSO's in 2002 - 43
> Rigs used: NC20, Red Hot 40, K1
> Antenna: NorCal Doublet fed with the infamous computer cable feedline.
> How about you??
> 72, Doug
>

Date: Mon, 23 Sep 2002 22:19:22 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [135863] RE: How Much do I Operate?
Message-ID: <MMEDLKDLONJOAIGICDJAGENLDEAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For me so far this year it's around 460 not counting contests.

About 1/3 is QRP, and half were SSB.

Rigs here:
Kenwood TS-570dg
Kenwood TS-830s
Ten Tec 1320/30/40

Antenna:
Carolina Windom
G5RV Jr.
Hygain vert.

72, oo
Dan, N8IE
FPqrp #-6, QRP-l #1404, FISTS #4985

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.389 / Virus Database: 220 - Release Date: 9/16/2002

Date: Mon, 23 Sep 2002 21:23:23 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [135864] Rock-Mite/30 Lives
Message-ID: <3.0.2.32.20020923212323.006b9908@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

R-Mers,

Made my first Rock-Mite/30 contact on 30 meters this evening at 0151z with N9ZUT in Rockford, IL. He gave me a 549. (I'm near Dallas.)

I'll be calling CQ at about 10.109 for a while this evening. Be interested in some reports.

The conversions I'm making are not optimized yet but things are looking good. More later

Email Alt: w5usj@arrl.net, w5usj@go.com

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP http://www.netxqrp.org

Date: Mon, 23 Sep 2002 21:26:55 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distibute" <qrp-l@lehigh.edu>

Subject: [135865] Re: How Much do I Operate?
Message-ID: <000301c26371$daca4ae0$1436a6d8@Hal>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've made 464 QSO's so far this year. All QRP and all CW except for about 2 SSB and a few PSK31 QSO's. I enjoy working the DX at the bottom of the bands or ragchewing with fellow QRP'ers. I moved into a new home just before last Christmas and much of my operation was done using my small 3 ft loop indoors until I could get my inverted-L up outside. My old tower is laying on the side of my house but I haven't seen a need to put it up yet ;-)

Rigs:

Kenwood TS-130V at 5 watts
MFJ-9020 at 4 watts
Militarized 38-Special at 3.5 watts
Rock-Mite 40 at 470 mw
Homebrew 40 at 250 mw

Main Antennas:

Inverted-L (~20 ft vertical and ~30 ft horizontal) fed with SGC SG-237 Smartuner for all bands via 100 ft of RG-213 buried in the ground.
3 ft diameter 5/8" magnetic loop (often indoors)
End-fed halfwave wire for portable operation

Date: Mon, 23 Sep 2002 19:27:41 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@lehigh.edu>
Subject: [135866] Re: How Much do I Operate?
Message-ID: <7FD24C15A06DD511BF9E00D0B73E9952047A861E@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"

I guess I need to get on the air more often myself. This year I have logged several hundred hours listening to my 8640B signal generators in the process of building, testing, and optimizing my homebrew rigs, and only about 10 hours of actual "on the air" operation, and that

mainly from a handful of QRP contests.

What can I say? I like buildings, and contests are simply excuses
to test what I have built.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Mon, 23 Sep 2002 22:26:22 -0400
From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135867] Rock Mite SMT Drama (or lack thereof)
Message-ID: <000901c26371$c84dee80$6e01a8c0@procyon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

Got my 20M Rock Mite in the mail on Friday (along with my ZM2 Antenna
Tuner... it was a good day). Inventoried last night (only two parts were
the wrong ones.. Dave is already sending me the new ones.. thanks Dave) and
started on it tonight. As I looked at the really tiny SMT chip... I started
to sweat... I never worked with SMT before... I carefully placed the chip
on the pads. I then took a hobby knife and gently held it into place (after
a couple of tries... it is funny how your hands shake when you are doing
this stuff!! And how the smallest bump to the panavise will move the chip
off of the pads.. grrrrr) I put a dab of solder on the iron... said a little
prayer... and gently touched one of the pads/leads for a split second.. I
then quickly removed the iron... I looked down at what I had done... it
worked! The little thing was tacked down. I then went onto the other
pads... no problems! What?!? I got all worked up for that!?! I guess I
was lucky this time :)

Anyways... just had to share my experience... With all of the great comments
about this little thing, can't wait to get this on the air!

72/73

<signature>
 <name>Jason Hissong</name>
 <call>N8XE</call>
 <shameless_url_plug>http://www.qsl.net/n8xe</shameless_url_plug>
 <k2_serial_number="1270"/>
 <memberships>
 <organization="FISTS" member="6338"/>

```
        <organization="FPQRP" member="443"/>
        <organization="ARLHS" member="661"/>
    </memberships>
</signature>
```

```
Date: Mon, 23 Sep 2002 20:35:06 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [135868] Re: How Much do I Operate
Message-ID: <B9B52B7A.1D99F%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
```

Doug - Great thread!!! I wish I had thought of it. Pouring through the logs is always a self revealing process.

KK6MC has had 324 QSOs in 2002.

78 of these in the Spartan Sprints. Thanks to ARS for sponsoring this.

I also worked 46 stations on 10 M mobile on Field Day. I operated in Wyoming, Colorado, and New Mexico. Duping is hard mobile alone.

I have a twice weekly sked with my dad, WA0OML, for 59 QSOs, all at 70 watts

12 of these QSOs are on the RS 12/13 satellite.

I have QSOs on all bands from 160 M to 2M, although there is only 1 QSO each on 80 M and 12 M. I have CW QSOs on all bands except 2 M.

I have not operated many QRP contests due to work and personal commitments, but I did manage 6 QSOs in a pathetic attempt to compete QRP in the 160 M CQ contest.

That leaves about 129 QSOs that are random. Most of these are on 20 M, despite my attempts to operate the highest MUF. That is about 3 a week.

The most memorable contact was on 6 M SSB with an EA8, Canary Islands.

This doesn't count the commute QSOs on 2 M FM. Many of these were with fellow QRPers WB5WQT and K5LXP.

I also operated at my dad's house, WA0OML, and my father in law's house,

W0AEN. These QSOs are not counted, although it is always nice to give out Nebraska and South Dakota and have someone else QSL.

I also did not count several QSOs with the K-1 and KT5X's 20 M Moxon rectangle at the Duke City Hamfest and with a 10 M loop during the January swap.

I did not count the QSOs I made at visiting ham shacks. Some of the more memorable were at W5JAY's QTH at Arkiecon. Jay has a nice set up and is a gracious host.

I should get on more.

I used to put a dollar in a cup every day I operated. I used this for hamfest capital. I guess I should start that tradition again. It sure helped my operating and my hamfest spending.

I operate with a TS-850 (160 M to 10 M), a K-1 (20-40), an OHR Classic (20-40), a IC-551D, and a TR-9130.

I use a 44ft dipole center fed with balanced feeders on 40 M to 10 M. On 80M and 160 M I tie the feeders together and feed them against elevated radials. On 6 M I have a single element loop and on 2 M I use a 4 element homebrew Yagi.

Thanks for the memories. - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Mon, 23 Sep 2002 22:39:53 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [135869] RE: Rock-Mite/30 Lives
Message-ID: <MMEDLKDLONJOAIGICDJAEENNDEAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hello Chuck,
I heard you calling CQ at 02:37z on 10.109.
I tried calling you but my antenna is not loading up for some reason.

Anyway, you were a 449 to 559 into Kettering, Oh. Very good sounding tone.
I guess this would be a SWL report. :-)

72, oo
Dan, N8IE
FPqrp #-6, QRP-l #1404, FISTS #4985

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Chuck Carpenter
Sent: Monday, September 23, 2002 10:23 PM
To: Low Power Amateur Radio Discussion
Subject: Rock-Mite/30 Lives

R-Mers,

Made my first Rock-Mite/30 contact on 30 meters this evening at 0151z with N9ZUT in Rockford, IL. He gave me a 549. (I'm near Dallas.)

I'll be calling CQ at about 10.109 for a while this evening. Be interested in some reports.

The conversions I'm making are not optimized yet but things are looking good. More later

Email Alt: w5usj@arrl.net, w5usj@go.com

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP http://www.netxqrp.org

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Version: 6.0.389 / Virus Database: 220 - Release Date: 9/16/2002

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.389 / Virus Database: 220 - Release Date: 9/16/2002

Date: Mon, 23 Sep 2002 21:10:43 -0500
From: Tim Pettibone <k5oi@cox.net>
To: qrp-l@lehigh.edu

Subject: [135870] How much do I operate
Message-ID: <5.1.0.14.0.20020923210849.009ee540@pop.central.cox.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Doug et. al.:

This year I'm only at 220 Qs. For the last 11 years I've averaged over 1,000 Qs per year, some in contests. For some reason I seem to be on less than usual - new job, new QTH, etc. I guess.

Tim K5OI
Stillwater, OK

Date: Mon, 23 Sep 2002 23:09:57 -0400
From: "Joe W2KJ" <w2kj@earthlink.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [135871] Interesting Contact
Message-ID: <00a501c26377$e0bc73a0$b6d0be3f@cdcvh01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recently had one of those QRP contacts that periodically amazes all of us QRP'ers at one time or another.

On 17 September at 2120UTC, I heard Dennis, WA8ZBT (QTH-Texas) signing off with another station on 21.060Mhz. My QTH is in North Carolina.

The other stationed said "Dennis, you're doing FB with 200mw output from your K2".

I couldn't resist so I called WA8ZBT after both stations signed "SK" with 5W from my K2, Dennis came back to me and we began a QSO.

I dropped my power down to just under 200mw (lowest my K2 goes) to match Dennis's power level and he copied me 569. Dennis was 599 solid copy.

I switched over to my Argonaut II and we worked each other

with me lowering my power at 50mw levels until I got down to
5mw as measured on my OHR WM1 wattmeter. Dennis was still
able to copy me just at the noise level!!.

I have operated QRP for many years and at one time for a year
only at the 1W level from a homebrew DC transceiver, but
operating at the very low milliwatt level was amazing!!!

I guess it's this kind of fun that keeps us QRP fanatics doing
what we do.

Now I kinda wonder why I run my K2 at 5W!! I better watch
out, I hear this milliwatting thing is contagious:-)

73, Joe W2KJ

Date: Mon, 23 Sep 2002 22:08:19 -0500
From: "Mike Mullins" <mmullins@mastnet.net>
To: "QRP-L post message" <qrp-l@lehigh.edu>
Subject: [135872] 1/2 length G5RV
Message-ID: <000d01c26377$c8740560$168ebbd0@downstairs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A couple of weeks ago tropical storm Fay knocked down a
big branch in the tree holding my 102 foot G5RV. The branch
landed neatly in the crotches of this tree and a second tree,
suspended about 30 feet up. This weekend I climbed the
second tree and managed to free the limb after a lot of sawing.
When the branch fell it caught my 300 ohm twin lead transmission
line and tore one of the connections away at the top of the dipole.
The SWR is now high on 20 meters, but reaches 1.3 : 1 on 40,
much better than it did before being turned into a 'singlet'.
Rather I guess it's a Zepp now.

I'd like to say that I fired up my 40 meter QRP rig which I
haven't used for a while and had a QSO with
Zanzibar, but it wouldn't be the truth. Somehow my rig was

tuned to the wrong sideband. Does anyone else have a problem
with drifting adjustable caps? Or, am I sleepwalking with a
screwdriver? After fixing it, my first QSO was with an XE2,
but that's not a big stretch from my location on the Gulf Coast
south of Houston.

73 de Mike KD5CMN

Date: Mon, 23 Sep 2002 23:05:27 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "Posts Qrp-L" <qrp-l@lehigh.edu>
Subject: [135873] How Much do I Operate ?
Message-ID: <005801c26377$3c819ae0$52e094ce@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I made 3 Q's on EchoLink :-)

Introducing NetZero Long Distance
Unlimited Long Distance only $29.95/ month!
Sign Up Today! www.netzerolongdistance.com

Date: Mon, 23 Sep 2002 23:38:42 -0400
From: john <john@wagner-usa.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135874] FS: Apple Powerbook
Message-ID: <3D8FDE42.9080006@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I've had this Powerbook for almost a year. It works great but I'm
finding I use my Linux box for most everything these days and don't need
the Apple. I thought I'd offer it here on QRP-L first, and then take it
to ebay if there are no takers. Pics available on request...

Specs: Powerbook 1400c/166 (w/ G3/233 upgrade), 48meg RAM, 2 GIG
Hard drive, CD drive, Floppy drive, Global Village 10BaseT/Modem PCMCIA
card (never used the modem, only the 10BaseT connection), docking
station, 2 batteries (neither of which will hold a charge

for more than 10 minutes of operating), cable for zipdisk, cigarette lighter power cable, external monitor adapter (I think it has an upgraded video card - I've run a PC monitor on it). The TFT screen is really nice and crisp - no dead pixels or anything like that.

Got a lot of software; Outlook Express, IE and Mozilla, telnet/ssh, CivII and Starcraft and various other free packages. MacOS version is 8.6. Its performance is acceptable for email and surfing the web and the aforementioned games, which is about all what I've been doing with it. I do NOT have the original MacOS disk as it didn't come with it when I bought it.

Price is $225US(firm) which includes UPS Ground Shipping in the US. DX or Canada may be more. Insurance extra.

This system is clean and in good shape. If you like Macs, you'll love this notebook.

73,

John, N1QO

Date: Mon, 23 Sep 2002 23:49:44 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [135875] FS: "K2+accessories" kits
Message-ID: <001901c2637d$6cfa9ae0$7bc33ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Selling my Elecraft K2 transceiver kit with many options. The K2 and all options have original, unopened parts bags and are completely unassembled, straight from Elecraft.

K2 -- Transceiver Kit, s/n 01503
FWK2 - Revision 2.01H Firmware Upgrade
KBT2 -- Battery + bracket
KSB2 -- SSB module
KAT2 -- Internal Automatic Antenna Tuner

KAF2 -- Audio Filter & Real Time Clock
KIO2 -- Aux I/O Module (for RS-232 remote control)
K160RX -- 160m 2nd Rx antenna
MH2 -- Heil Microphone

==> Package price: $980 (complete set only)

I will ship free to a US or Canadian location.

73, George N2APB
 n2apb@amsat.org

Date: Mon, 23 Sep 2002 23:17:10 -0500
From: "Max Moon" <maxmoon@umn.edu>
To: <qrp-l@lehigh.edu>
Subject: [135876] Re: How Much do I Operate?
Message-ID: <002401c26381$5fd94240$9739fea9@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doug Hendricks writes:
> How many qso's have you made this year? ...

Passed exams & got license, Feb 2002
First QSO, 17 April 2002

78 QSOs, all QRP CW, no contests yet, includes 26 states, 32 DXCC countries

Rigs: Index Labs "New QRP Plus" (66 QSOs), Small Wonder SW30+ (3), TenTec
Corsair 1 (9)

Antenna: Cushcraft R7 on the roof

Max Moon, k0max
Minneapolis

Date: Tue, 24 Sep 2002 00:33:39 -0400 (EDT)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: qrp-l@lehigh.edu

Subject: [135877] Re: How Much do I Operate?
Message-ID: <27669-3D8FEB23-2322@storefull-2153.public.lawson.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Not as much as I would like to. Summer is a busy time for me and
working third shift is not really conducive to lots of operating.
Probably around 30 QRP Q's and
<shame>
 about 300 QRO Q's at 100w (RDXC and ARRL DX 'tests)
</shame>
Now that the season is upon us, I plan on being much more active...

Rigs:
TS-680S
SW-40+
SW-30+
RM 40
RM 20
2N2/40+

Antlers:
DX-88 Vert.
40m Dipole @35'

72 es oo

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499
FISTS # 9299
GACW #622
ARS #1363

Date: Tue, 24 Sep 2002 00:45:01 EDT
From: Fghester@aol.com
To: qrp-l@lehigh.edu
Subject: [135878] Re: How Much do I Operate?
Message-ID: <8d.1eb1cfd3.2ac147cd@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Probably waaaaay too much :-) Have a drawer full of filled up logbooks. Literally hundreds & hundreds of Qs since 1978. 99% CW, 99% HF, 90% QRP & QRPp. NTS CW Traffic Nets and QRP Contests all great fun. Rigs include: Icom 746, TT Argosy 525, TT Century 21, Elecraft K1, MFJ 9020, a HW-8 and a Rockmite 20 coming in the mail. Antennas include an AS-1 (Spiro Manufacturing) outside in the trees and a double zepp in the attic... Listen for my weak sigs on 14.060 / 7.040... Also, check into the Illinois Training Net / CW at 3680 KHz at 7pm Central Time Daily. / WD9F / Woody

Date: Mon, 23 Sep 2002 23:58:49 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135879] Re: How Much do I Operate?
Message-ID: <200209240458.AA01471@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

 Hmmm, log says 580 QSOs so far for 2002, 576 on CW, 4 on SSB.
Rigs used were an FT-817, a homebrew 40m TX, and an R-390A, all
running into a Butternut HF-2V, fed through a Johnson Matchbox.
Roughly 90% at the 4W level, and the other 10% at 500 mW or less.

72/73,

Todd, AG0T

Date: Mon, 23 Sep 2002 23:02:26 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: <Fghester@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135880] Re: How Much do I Operate?
Message-ID: <Pine.LNX.4.33.0209232258480.24096-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...took a quick look and total between my 2 calls is about 83 Qs...this includes CW & SSB...I used my Kenwood TS-430S QRP until I got my K2 on the air which is what I mostly use now...mixture of antennas; 80 mtr inverted

V, 40 mtr delta loop, 2 el tribander yagi at 50 ft and does not include 2 mtr contacts...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
 A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
 - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
 "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 24 Sep 2002 0:41:32 -0500
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [135881] Rock-Mite 20 found :-)
Message-ID: <412002922454132946@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Great news!--a Rock-Mite 20 will be heading my way this week. Sure am looking forward to receiving it. Thanks to so many who wrote in response to my note.

73,
--Doc/K0EVZ

Date: Tue, 24 Sep 2002 02:09:18 -0400 (EDT)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: w5usj@9plus.net
Cc: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [135882] Re: Rock-Mite/30 Lives
Message-ID: <712-3D90018E-4161@storefull-2158.public.lawson.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit

MIME-Version: 1.0 (WebTV)

Chuck,
 Way to go! Keep me informed about the conversion so when you get all the wrinkles ironed out, I want to make one up as well. These RM's are fun!!!!!!!

72 es oo

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499
FISTS # 9299
GACW #622
ARS #1363

Date: Tue, 24 Sep 2002 1:25:31 -0500
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [135883] H8A on 30 Metres
Message-ID: <412002922462531470@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Just worked H8A on 10.104.1 with my K1 at 5 watts to an IAC Double Bazooka. He is working them fast, and has great ears [g].

73,
--Doc/K0EVZ

Date: Tue, 24 Sep 2002 1:25:28 -0500
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [135884] No Rock-Mite after all 8^(
Message-ID: <412002922462528356@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

The Rock-Mite 20 deal fell through after all. Still looking for one fully assembled and installed in some kind of case. Anyone, please?

73,
--Doc/K0EVZ

Date: Tue, 24 Sep 2002 02:12:46 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [135885] FS: Tokyo Hy-Power HT-750 with speaker-mic, $375
Message-ID: <Pine.LNX.4.44.0209240202320.12202-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Excellent condition Tokyo Hy-Power HT-750 triband HF handheld radio.

SSB/CW, full coverage on 40/15m bands and coverage of lower end of 6m.

Digital display, noise blanker, preamp, RIT, power/S-meter, ability to charge and use 8-AA NiCd batteries. Also accepts 13.8 VDC.

Good for 3w on HF and 2w on 6m.

The speaker-mic is not Tokyo Hy-Power; the radio accepts the pinout of Standard/Alinco/Yaesu/Icom/Radio Shack and I've used several with it. I have never gotten anything other than excellent audio reports, many unsolicited, with any speaker-mic I've tried with the HT-750.

Your choice of speaker mics (I've got several to choose from as I have
amassed a few accessories over the years).

This radio was used to win the Sweepstakes SSB Oregon section QRP crown in
2001 - 94 Qs in 49 sections working alongside the BIG BOYS with a dipole.

Price: $375, includes box & manual and a speaker-mic.

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

Date: Tue, 24 Sep 2002 07:28:30 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: tracy@bytemark.com, qrp-l@lehigh.edu
Subject: [135886] Re: lo vhf oscillator
Message-ID: <F1373ZpEVmkWFBXZGYm00004e8f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Tracy Markham" <tracy@bytemark.com>
>Reply-To: tracy@bytemark.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: lo vhf oscillator
>Date: Mon, 23 Sep 2002 17:03:39 -0700
>
>Hey guys, I got my 78 MHz crystals - found some in FL that were 38.00053,
>and I got the samples from Hooray Electronics that are 78MHz 3rd overtone,
>20pF.
>
>Can anyone suggest a schematic for an oscillator I can start with?

I haven't tried one, but Butler oscillators like the one in the Handbook
have a good reputation.

73, Leon
--
Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: http://www.leonheller.com

Join the world s largest e-mail service with MSN Hotmail.
http://www.hotmail.com

Date: Tue, 24 Sep 2002 01:23:54 -0700
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135887] SafetyKeyer - A Homebrew Project
Message-ID: <000601c263a3$b9663ee0$a08aa242@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A request for information on inexpensive portable paddles caught my eye a few days ago. Well, here's a project that will not only provide you with a cheap set of paddles but also a neat little keyer besides.

The heart of the keyer is Chuck Olson's PK-Basic chip. (Since I had the schematic from a previous build, I ordered only the chip. $3.50 from Jackson Harbor press.) The keyer is simple to build Manhattan style since the parts count is low.

The paddles are fashioned from two safety pins I filched from the wife's sewing room. So.... Let's take a picture tour and see how the project went.

Picture 1: http://www.qsl.net/wa7tqk/SafetyKeyer1.jpg
The pins on the circuit board have been shaped and are ready to solder in place. The small plastic Radio Shack box has a 3/8" hole drilled in the end to accommodate the paddle wires.

Picture 2: http://www.qsl.net/wa7tqk/SafetyKeyer2.jpg
Here the shaped pins are clamped and soldered in place.

Picture 3: http://www.qsl.net/wa7tqk/SafetyKeyer3.jpg
Checking the fit to the box. You can see my Dremel tool etching leaves much to be desired!

Picture 4: http://www.qsl.net/wa7tqk/SafetyKeyer4.jpg
The IC socket is soldered to the pad and ready to Super Glue to the circuit board. Notice the center contact soldered between the safety pin wires. It looks funny because it's a custom fit job! The edges of the part sticking

beyond the board were bent, one up and one down to match up with the direction the pin spring is wound.

Picture 5: http://www.qsl.net/wa7tqk/SafetyKeyer5.jpg
Home brew battery holder can be seen here. The island was just cut using the modified drill bit. (The island looks rough but the copper is all there, just needs cleaning.)

Picture 6: http://www.qsl.net/wa7tqk/SafetyKeyer6.jpg
This shows the output circuit in place coming from pin 5 of the IC socket. Here you can see how well the island takes soldering. (Gotta watch out for stray copper or solder particles that can get into the little moat and cause problems.)

Picture 7: http://www.qsl.net/wa7tqk/SafetyKeyer7.jpg
Here all the components are in place. You can see the 1.5 V button batteries. This 4.5 volt supply should power this little keyer a long time. Notice the components mounted in the lid could have been positioned a little more evenly, however the shallow box requires those components to have a nesting place among those on the board! Also, there is a 100 K trimpot epoxied in place to the lid, you can see the retaining wire. This pot has a short 1/4" aluminum shaft epoxied to the top side to accommodate a knob. (That was tricky and it took two tries to keep it variable!)

Picture 8: http://www.qsl.net/wa7tqk/SafetyKeyer8.jpg
Plexiglas fingerpieces are held in place by more epoxy. Note the PK-Basic schematic.

Picture 9: http://www.qsl.net/wa7tqk/SafetyKeyer9.jpg
Come with me and we'll put this "SafetyKeyer" to the test before we screw the lid on.

There you have it.. I've been on the air for a couple hours, 7.040 QRP - 400 mW and the keyer works great. The paddles have a light touch. But a bit more tension that the last stand alone paddles I made. I think this will become my "First-line" portable keyer and paddle combo!

Regards,
Bill - WA7TQK

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/02

--

Date: Tue, 24 Sep 2002 07:40:05 -0400
From: kwike@gdls.com
To: qrp-l@lehigh.edu
Subject: [135888] How much air time
Message-ID: <OF5F473D49.426C9411-ON85256C3E.003F9E30@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Got about 515 qsos for 2002 so far. 98% CW QRP with my K2 and the rest are SSB QRP and CW QRP with my Triton. It has been a slow summer. Did not do the summer fox thing. It was just too late for us who gotta get up early.

Ed AB8DF

Date: Tue, 24 Sep 2002 08:05:52 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: w3cde@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135889] Re: Non-resonant groundplane verticals?
Message-ID: <3D905520.B3F7A1FF@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You were a very lucky fella! I used a trap vertical (20 - 10) when I first got to Holland. I mounted it on a pipe driven into ground. I theorized that since that part of the country was more or less below sea level, I would not need radials.

I drove four 6" pieces of copper pipe around the base. It was a disaster! It didn't start acting like an antenna until I ran 4 radials per band. I consider this as having been a major lesson in my ham career!

873

Date: Tue, 24 Sep 2002 07:10:27 -0500
From: "David Bixler" <qrp@netins.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135890] Four State QRP Group "Ham-Out" Report
Message-ID: <000801c263c3$5eca8b60$e915b9cc@Host>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang:

The Four State QRP Group "Ham-Out" this past weekend
was a success! A photo report is available for your viewing
enjoyment at:

http://w0ch.com/fsqrp/hamout02/ham-out.htm

This was so much fun, we are planning to do it again next year.

72, Dave

David Bixler W0CH
Seneca, Missouri

Four State QRP Group http://w0ch.com/fsqrp
QRP Web Site Main: http://w0ch.com
QRP Web Site Mirror: http://showcase.netins.net/web/w0ch/

QRP: Little radios, big fun!

Date: Tue, 24 Sep 2002 08:13:01 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135891] Re: How Much do I Operate?
Message-ID: <3D9056CD.AD0AB201@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Notice how many QRO operators there are! And notice how many SSB
operators there are!

73

Date: Tue, 24 Sep 2002 08:13:51 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Cc: ki6ds@dph.dpol.net
Subject: [135892] Re: New Book: Simple Test Equipment for the QRPer now shipping
Message-ID: <5.0.2.1.2.20020924075030.022a61e8@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

All--

Sorry for the late post, but just saw this on the "L"...

Tony, W4GIF, showed me his final draft of this book about 3 weeks ago when I was visiting the UK. At this price, it is a STEAL! I've seen Graham's projects over the years (unfortunately, I haven't gotten to hear him speak yet!), in various magazines. Keep telling myself "I'm going to build one of those" and then can't remember which mag it was in! There all here, now!

When visiting Tony's shack, he showed me several of the projects. Most were built on "Vero board" or "perf board" and are small enough to occupy very little space in his shack, but easily accessible and invaluable to use.

He whetted my appetite when we visited Ian, G3ROO's shack with talk of the Spectrum Wavemeter, which I believe they originally designed as a Kanga kit.

Would also like to thank Doug for publishing this for the guys under the NorCal name. All involved worked very hard on it and it's definitely worth much, much more than the asking price.

I have no fiduciary interest in the book, other than the debt of gratitude I owe to Tony. Last January, he met me in London while I was in town on business (my company's home office is in London). He told me that if I wanted to see England, I needed to get out in the countryside, and he invited me to spend some time out in Kent sometime in the future. Ended up needing to be in London following Labor Day. Saved $$$ on Delta (and got the business class upgrade!) by flying over Friday night, and Tony picked me up at Gatwick (at 7am!) took me to my hotel to get spiffed up and then drove the both of us to Chartwell--Churchill's home after lunch (fish & chips a pub in one of the several hundred beautiful little towns we drove through!).

It (Chartwell) was really neat (I'm a bit of a history buff) and then we went back to play in Tony's shack. I hope to get pictures up shortly--he has one of the coolest ham shacks I've ever seen.

Sunday we visited Leeds Castle (real moat) then headed to the coast to

visit Dick Pascoe, G0BPS, QRP ARCI Vice President, and Ian Keyser, G3ROO. I cannot begin to tell you how much I enjoyed the entire day, and especially meeting Dick and Ian and their wives (and Ben, Dick's border collie).

You know, the greatest thing, IMHO, about this hobby--and especially QRP--is that no matter where I go in the world, I've got friends. I may be biased because I work for a British company, but I've yet to meet a G-guy (or gal) that isn't among the finest of amateurs I've ever met!

They just don't tell you about cool stuff like this when you take that first code test, do they?

73 de Mike, KO4WX
Michael C. Boatright

Date: Tue, 24 Sep 2002 08:19:30 -0400
From: "Mullin, Edward J." <mulline@tycoelectronics.com>
To: "'QRP'" <qrp-l@lehigh.edu>
Subject: [135893] RE: How Much do You Operate
Message-ID: <F1C60F6146F4DF4B902254ECAC17271D6A059D@us358mx00>
MIME-Version: 1.0
Content-Type: text/plain

CW QSO's- 10 on 40 and 80 meters (8 are QRP 2 QRO)
AM QSO's - 18 - on 75 meters

Rigs: QRP-- SWL40+ Pixie on 80m, micro 80, and a ROCKMITE20 on the bench!!
QRO-- Johnson Valiant, with an S-85 receiver (glowbugs yahoo!)

Antenna- the infamous 88' dipole fed with el-cheapo RS 300 ohm twinlead and an MFJ 949E tuner.

Been licensed since March 12 2002 but don't get to operate near as much as I'd like - seems to be a common statement!

Date: Tue, 24 Sep 2002 08:22:08 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: qrp-l@lehigh.edu, neqrp@jonal.net
Subject: [135894] Tonight, Tuesday NEQRP SSB Net at 7:30PM EDST on 7.286Mhz +- 5Kh

Message-ID: <OF66AB74B1.07C61A43-ON85256C38.00510176@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Last weeks:
WA1OHR Everett WINDHAM CT IC-756 10W Double-Zepp
N1XTK Keith TOLLAND CT IC-746 10W Inverted V
WR3I Dave MONROE CT FT-817 5W Carolina Windom
AB8DF Ed WATERFORD MI TT Triton
VE3JC John London Ontario K2 10W Dipole
W1CFI Paul Falmouth MA 707 10W
AA1MY Seab BETHEL ME 706 10W 66' Ex Zepp

post net:
K1NAJ Norm NORWAY ME
KB1FPM John Weston MA FT-817

Lets enjoy the net while 40M still works!

Ron - N1ZSW

Date: Tue, 24 Sep 2002 7:46:02 -0500
From: Eric NM5M <res19m7g@verizon.net>
To: <qrp-l@lehigh.edu>
Subject: [135895] Re How much do I operate?
Message-ID: <20020924124602.IJTJ17563.out011.verizon.net@[127.0.0.1]>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

So far I have made 356 QSOS, 340 of those being on CW, 16 on 6 meter SSB, all QRP.

Antennae at the NM5M radio ranch include a stealth dipole (lays on the shingles of my roof), a HB 20 meter ground mounted vertical (16 buried radials so far, more soon as it's cooling down), and a random wire for 80 meters.

Rigs: FT1000 C, Red Hot Radio (20 meters), FT 847, HB 40 meter superhet Receiver, 40 Meter VXO transmitter, Tuna Tin II, 40 meter MRX receiver.

73 All,

de NM5M Eric

Date: Tue, 24 Sep 2002 08:39:55 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135896] Re: How Much do I Operate?
Message-ID: <3D9024DB.2332.146A9B85@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 24 Sep 2002 at 8:13, Bruce Muscolino wrote:

> Notice how many QRO operators there are! And notice how many SSB
> operators there are!
>
> 73

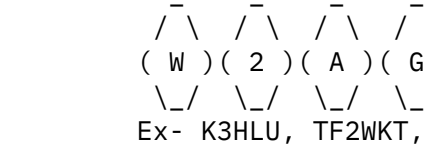
I should have mentioned in the tally. All but 67 were QRP CW. Of the 67, 6 were PSK31 or RTTY (not counting the PSK31 Sprint), 19 were QRO SSB and the rest were QRO CW.

QSOs: 469 (also forgot to add in 173 QSOs as W2E from East Point Light, all CW, but admittedly 50W to the old Triton 4).

Looked through Contest Logs, and find another 289 QSOs (all QRP CW except for 10 in the PSK31 Sprint), plus 360 on FD (which were all QRP CW).

Rigs Used: K2, K1, Ft817, CX7A, OmniC, Paragon, Rockmite, ArgoII, Argosy 525D, Kachina505DSP,TS130V,TS-520S, Viking Ranger+RME6900. Signal Shifter EX + NC101X. TT Scout, Argo515, HT18/S53A.
Antennae: KT34A @ 50', Trap Dipole 80/40, 30M Dipole, 300' loop.

--



Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS

Date: Tue, 24 Sep 2002 08:41:12 -0400

From: "Lee Mairs" <lmairs@cox.net>
To: <w2kj@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135897] Re: Interesting Contact
Message-ID: <000f01c263c7$ae30f140$3b6d020a@J4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Now I kinda wonder why I run my K2 at 5W!! I better watch
> out, I hear this milliwatting thing is contagious:-)
>

I never could figure out how you QRO guys ever had any fun (:>o)!

73 de Lee, KM4YY

Date: Tue, 24 Sep 2002 08:48:22 -0400
From: "Lee Mairs" <lmairs@cox.net>
To: <maxmoon@umn.edu>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135898] Re: How Much do I Operate?
Message-ID: <002d01c263c8$b0311190$3b6d020a@J4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Doug Hendricks writes:
> > How many qso's have you made this year? ...
>

I'm not much for actually using the radios. I prefer to build, test, and
enhance until they don't work anymore...

IC781 - 3
IC751A - 2 (testing after major repairs)
SW20+ - 20
Warbler - 4
38 Special - 5
2N2-40 - 55

Still semi-finished: WARCbler, SM 20 and an SM40 SSB rigs, 38Special to
convert to 17 meters, RM-40, WARBLER for a friend, plus a host of Melt
Solder's goodies.

Lee KM4YY

Date: Tue, 24 Sep 2002 13:59:11 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@lehigh.edu>
Subject: [135899] New RF/IF amp from Analog Devices
Message-ID: <DAV27KFdFDkfzoF0xtb00003208@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm on ADI's mailing list for new product announcements, and they have just
released preliminary details of a very interesting new RF/IF amp chip, the
AD8351. It's good for up to 2.2 GHz (should work OK in a 45 MHz IF strip for
an up-converting HF receiver as it's specified at 70 MHz) and has simple
gain control. Input resistance is 5k and output impedance is 150R, both
differential. It has good strong-signal handling.

The only downside is the package, 10 lead (5 each side) Micro SO. They
didn't provide details, but it looks as though it might be extremely small.

73, Leon
--
Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Tue, 24 Sep 2002 09:12:13 -0400
From: "Kevin M., KC8SFJ" <adverseyaw@twmi.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135900] Re: How Much do I Operate?
Message-ID: <003601c263cc$00344920$45f5d018@magnus>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QSO's in 2002 - 16 (licensed since July)
Rigs used: 2N2/40 (only rig I have... Until the TS-830S gets here)
Antenna: G5RV up 28 feet and bent at 60 degrees.
73/72 - Kevin, KC8SFJ

> How many qso's have you made this year? I was sitting around last
night,
> reading through qrp-l, and I thought, hmmn, seems to be several guys
on here
> who talk about operating, and several who operate keyboards only. I
think
> it would be neat for us to post to the list how many qso's we've had
this
> year, and the radios we have used to do it with. I'll start:
>
> QSO's in 2002 - 43
> Rigs used: NC20, Red Hot 40, K1
> Antenna: NorCal Doublet fed with the infamous computer cable feedline.
> How about you??
> 72, Doug
>
>

Date: Tue, 24 Sep 2002 09:29:41 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRP Canada <qrp-canada@neale.gpfn.sk.ca>, QRPL <qrp-l@lehigh.edu>
Subject: [135901] MFSK QRP......
Message-ID: <3D9068C5.AE212860@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:
Been having a blast running MFSK for the last week, have filled a log
page full up with MFSK qsos......
The joy is that QRP runs very well, and print is even more reliable then
running PSK QRP.......I thought PSK was a QRPers paradise digi mode, but
MFSK has proven even better to copy under heavy noise and bad band
conditions.....
Worked VE9BUF Jean-Guy in Moncton the other night running 5 watts on my
end, and 5 watts on his end....
Also worked japan on 14.080 running 5 watts on this mode.........
Give it a try, it is a fun program..........

Fred
VE3FAL

Date: Tue, 24 Sep 2002 09:48:45 -0400
From: Michael Pupeza <mpupeza@sympatico.ca>
To: <qrp-l@lehigh.edu>
Subject: [135902] Re: SafetyKeyer - A Homebrew Project
Message-ID: <B9B5E57C.A84A%mpupeza@sympatico.ca>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bill;
Very interesting. Thanks for the pictures and instructions.
73
Mike VE3EQP

Date: Tue, 24 Sep 2002 09:49:31 -0400
From: brewerj@squared.com
To: qrp-l@lehigh.edu
Subject: [135903] Meissner
Message-ID: <OF992CD23A.C0752627-ON85256C3E.004B7D1E@CIS.SQUARED.COM>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

I think I have three of 'em...one that's a switched turret type, and
the other two plug in coilforms. All work fairly well and put out
a respectable signal. I've also got a version made by Sonar,
that I think has a 6L6 loafing in the output. I've got coilsets from
160-10, so I'm all set!

Great BA QRP rigs. The Hallicrafters HT-18 (or is it 17?) VFO
I have is also a fine exciter/vfo...and at least the one I have is
surprisingly stable. I've made many qrp contacts with that
setup, though the matching S-53 is pretty abysmal.

Real QRP rigs glow (faintly) in the dark!

John wb5oau

Date: Tue, 24 Sep 2002 07:12:27 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <flesnick@tbaytel.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135904] Re: MFSK QRP......
Message-ID: <003b01c263d4$6a54bcb0$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will second Fred's motion to "Give it a try, it is a fun program.....". I have operated MFSK-16 for a year or more and never cease to be amazed at how robust it is in the face of weak signals, lots of noise and even strong QRM. If you can work PSK-31, you can work MFSK-16 with the same sound card/interface setup.

If you don't already have it, you can download the software from the following web site:

http://iz8bly.sysonline.it/Stream/

It is free and works extremely well.

==========
Bill Jones - <><
Sanger, California
==========

Date: Tue, 24 Sep 2002 14:34:03 GMT
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [135905] FS: SG2020
Message-ID: <20020924.073406.570.40534@webmail2.wlv.untd.com>

Gang,

Comes a time -- again -- to cut back on the stuff . . .

FOR SALE: SGC SG2020 (S/N 9107) Price: $420 Shipped CONUS

Most recent firmware (Rev 1.08)

Does not have ADSP board

Mods: RF out is BNC (not stock SO239)
 Key jack is now Headphone (easy to de-mod)
 Back panel has three extra jacks: Straight Key, Paddles, Amp key line
 5V on pin 5 of mic jack for electret mic (78L05 provides voltage)

You get: the radio & all documentation (mfg's & mine [in a binder])
 SGC microphone -- Extra connectors & cables
 Original SGC shipping box

You can check this radio out at http://w8ijn.tripod.com/strays7.htm

Email me or call & leave a message on my machine: 937 849 0113

And I still end up with more than 14 radios! But now Cindy can park her care in the garage!

73

Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
"In my day we had to FIGHT to have email! Every day was a struggle!"
 -- Comrade Sergei Nikolaievich McTovarishov

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

Date: Tue, 24 Sep 2002 10:58:29 -0400
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: ko4wx@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135906] Re: New Book: Simple Test Equipment for the QRPer now shipping
Message-ID: <3D907D95.45C44B78@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

With that statement I assume they still empty the "chamber
pots" into the moat?? 8-) You can tell by the aroma.

Jerry
W3CDE

"Michael C. Boatright" wrote:
>
> All--
<SNIP>
>
> Sunday we visited Leeds Castle (real moat) then headed to the coast to
> visit Dick Pascoe, G0BPS, QRP ARCI Vice President, and Ian Keyser,
> G3ROO. I cannot begin to tell you how much I enjoyed the entire day, and
> especially meeting Dick and Ian and their wives (and Ben, Dick's border
> collie).
<SNIP>
>
> 73 de Mike, KO4WX
> Michael C. Boatright

Date: Tue, 24 Sep 2002 10:20:55 -0500
From: "George, W5YR" <w5yr@att.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135907] Re: How Much do I Operate?
Message-ID: <3D9082D7.31E488B8@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK - so what's the message?

We notice how many QRO operators there are and how many SSB operators there
are . . . now what? <:}

There have always been many more QRO ops than QRP ops, and many more SSB
ops than CW ops.

Bruce, if I didn't know better I would swear that you are on an anti-QRP
and anti-CW kick for some reason.

What's going on?

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

Bruce Muscolino wrote:
>
> Notice how many QRO operators there are! And notice how many SSB
> operators there are!

Date: Tue, 24 Sep 2002 11:24:34 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: nilsbull@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135908] Re: FS: SG2020
Message-ID: <20020924112233.H39549-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 24 Sep 2002 nilsbull@juno.com wrote:

>
> And I still end up with more than 14 radios! But now Cindy can park her care in
> the garage!

I'm really curious....is her car so small that removing the 2020 allows
her to park in the garage, or was the 2020 mated with something that lives
in a relay rack?

thom

baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/ Baltimore's Home Page
http://www.baltimorehon.com/ Home of the Baltimore Lexicon
http://www.zerobeat.net Home of The QRP Web Ring
 and Drake Mail List Pages

Date: Tue, 24 Sep 2002 10:49:06 -0500

From: Ken Hopper <khopper@uchicago.edu>
To: qrp-l@lehigh.edu
Subject: [135909] Re: MFSK QRP......
Message-ID: <3D908972.CA4C8666@uchicago.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have actually worked MFSK-16 with another MFSK-16 station right on top of us and still copied 100%. Same for the ever present PACTOR robot stations and even VOICE (SSB) QRM on 14.080! MFSK is amazing and IMHO under appreciated technology. I attribute my MFSK QRP success to the excellent Forward Error Correction (FEC) scheme implemented by Nino IZ9BLY and Murray ZL1BPU.

I was disappointed however to learn that Nino and Murray have no plans to continue development of MFSK-16 for the ham community and have instead moved on to commercial email systems for ships at sea(?). Too bad, this is very promising technology.

I would like to call your attention to another sleeper: HamScope which has built in NOTCH and BANDPASS filters - something that is lacking in digipan and MixW32. Mike KD5HIO also implemented five or six different and very sophisticated FEC schemes in PSK - that apparently no body has tried or promoted. Check out HamScope (with MFSK support) at
http://www.qsl.net/hamscope/

other references of interest might be;
http://www.n9vv.com/psk31-resources.html
and
http://www.n9vv.com/mfsk-resources.html

dit dit
de ken n9vv
<n9vv@arrl.net>

Date: Tue, 24 Sep 2002 11:49:37 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [135910] mu metal source
Message-ID: <5.0.2.1.0.20020924114333.00a02620@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Scrounger Alert!
Recently someone asked about a source. I came across 2 pieces in the junkbox while

looking for something else. Strips of the metal is wrapped around the drive motors in cassette decks.
73
Pete NV4V

Date: Tue, 24 Sep 2002 09:05:59 -0700
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [135911] Re: Replacement for 2N5179
Message-ID: <F155utluHjLCEGJiCuO00004e1a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Paul Taylor (ptaylor@agentissoftware.com) wrote:

>...The design uses a 2N5179 as a broadband injection
>oscillator buffer (HF only), and I can't source one
>locally (Australia).

>Can anyone suggest a reasonable substitute for this
>transistor? I have found MRF904 but this is equally
>unobtainable. I may be reduced to a 2N2222
>unless someone has a better suggestion...

I wouldn't recommend 2N2222 as a substitute - the
original design is likely to be based on the very high
gain and low junction capacitance of a 2N5179.
Many designs of that era threw them around like
popcorn, just like the 1970s designs that used 40673s
by the dozen.

A quick look through the Dick Smith Electronics web
page suggests 2SC1674 might be worth a try. Small-
signal NPN, Ft = 1.2 GHz, TO-92, $AUS 2.17 each.

There is nothing that says you can't buy what you
need overseas: either eat the minimum order and shipping,
or pool your requirements with other local hams, or
save up your requirements until you have enough to
place a reasonable order.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

Chat with friends online, try MSN Messenger: http://messenger.msn.com

Date: Tue, 24 Sep 2002 11:05:27 -0500
From: "res075cz" <res075cz@gte.net>
To: <qrp-l@lehigh.edu>, <w5yr@att.net>
Subject: [135912] Re: How Much do I Operate?
Message-ID: <010a01c263e4$334be3a0$82880304@dslverizon.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not *always*, George. I remember back in 1939 when getting on phone was out of reach of most hams, and almost everyone was on CW. Even the phone guys worked CW. Modulation transformers were expensive and Heising modulation only allowed 85 percent modulation. There were a lot of tricky methods tried to get cheap modulation like loop, Rothmann and a bunch of others. But most didn't work very well. Those were the days when all of 40 meters (yes, all 300 Kcs) was CW.

73 de Jim, K5ROV...

James (Jim) Parsons, K5ROV, CMSgt (E-9), USAF, Ret., San Angelo, TX
Ham for over 60 yrs. 90% CW
k5rov@arrl.net, QCWA, ARCI, Fists, ARRL, ARMS.
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

----- Original Message -----
 >
> and many more SSB ops than CW ops.

Date: Tue, 24 Sep 2002 09:25:13 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Leon Heller <leon_heller@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135913] Re: New RF/IF amp from Analog Devices

Message-ID: <Pine.BSI.3.96.1020924082919.10705B-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Leon,

I just downloaded the preliminary data sheet for this part. I had hoped that Analog Devices had come up with a variable-gain amplifier (VGA) that would have low distortion characteristics. Instead, this is a fixed gain amplifier where you set the gain with a single fixed resistor. Still, the OIP3 is impressive for the available frequency range.

There was some discussion on this list earlier about VGAs and variable attenuators for gain control, and the subject always gets my attention as this is another elusive problem in radio circuit design. Basically, using variable attenuators gives good intermodulation distortion (IMD) performance but using them in the front end of a receiver is a bad idea as it destroys the noise figure (NF). VGAs usually have bad IMD and NF performance.

When this subject last came up about two months ago, I was collecting a number of papers on VGAs and analogue multipliers. I came across one that gave me an idea for overcoming the IMD problem, and a few days later I had one working. Later, I found a way of solving the NF problem as well. I've already filed the preliminary paperwork for a patent.

Oddly, the basis for this goes way back to a paper by my dear old buddy Barrie Gilbert, who has always claimed that he created the six-transistor mixer and that he had no prior knowledge of the real inventor, Howard Jones (US Patent 3,241,078). Well, in the list of references at the end of this paper, Gilbert cites Jones, which proves that he dwas, in fact, aware of the Jones patent. Gilbert's patent (US Patent 3,689,752) also cites the Jones patent. It's a very curious piece of electronics history.

Gilbert recently (1998) claimed that the Jones patent was not for a mixer, but was for a synchronous demodulator. Well, it just so happens that a synchronous demodulator is a mixer, or at least has a mixer as it's core, so the differentiation is without basis. Further, the Gilbert patent is for an analog multiplier, which is much further removed from mixers even though it can be used as one. The Jones patent is truly a mixer as we know it, as the switching quad is operated in saturation and cutoff whereas the Gilbert patent requires that both signals be in the linear region. The Jones patent includes an ingenious application of common-mode feedback which reduces the effects of even-order distortion. This portion of the Jones patent overthrows a later patent by Vagher (US Patent 5,613,233) which generalizes the feedback method.

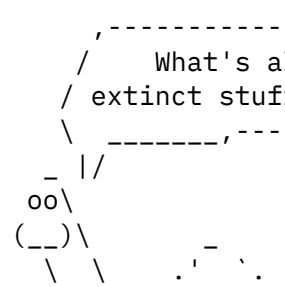
I doubt that we will ever rid ourselves of the "Gilbert Cell" nomenclature and attribute the circuit to it's actual inventor. This is what happens when you don't publish circuit innovations in trade and professional journals. Whoever publishes first has the opportunity to have the creativity attributed to (and named after) themselves. Just look at what happened to the poor fellow who invented the laser in the late 1940's. He spent most of the rest of his life pursuing people who were getting the origination accredited to themselves. He finally won after a long period of time and collected royalties and damages. It's not so much a matter of money as it is a matter of being recognized.

I had a patent examiner try to force me to change my usage of the word "augmentation" which I use for my linearization technique. Since I had already published as such, he lost the argument. It's not his option to force you to change the name you choose to begin with. That option rests with the applicant alone.

Chris

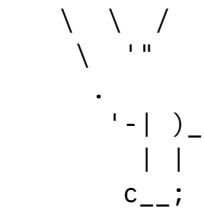
On Tue, 24 Sep 2002, Leon Heller wrote:

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> released preliminary details of a very interesting new RF/IF amp chip, the
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> an up-converting HF receiver as it's specified at 70 MHz) and has simple
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>
> 73, Leon
> --
> Leon Heller, G1HSM
> leon_heller@hotmail.com
> http://www.geocities.com/leon_heller
>



High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240



IEEE Member #40274515

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Tue, 24 Sep 2002 09:30:13 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: laura halliday <marsgal42@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135914] Re: Replacement for 2N5179
Message-ID: <Pine.BSI.3.96.1020924092611.10705C-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

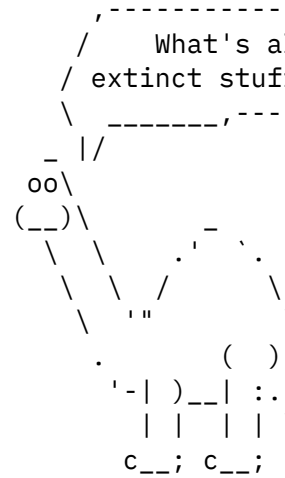
There are other devices that surpass the 2N5179 that can be used. The NE681 series is a good choice, and it's available from Digi-Key (not Australian, I know). There is also a wide variety of wideband transistors from Philips, such as the BFR92A, that are good replacements. Any of these should be available down under.

Chris

On Tue, 24 Sep 2002, laura halliday wrote:

> Paul Taylor (ptaylor@agentissoftware.com) wrote:
>
> >...The design uses a 2N5179 as a broadband injection
> >oscillator buffer (HF only), and I can't source one
> >locally (Australia).
>
> >Can anyone suggest a reasonable substitute for this
> >transistor? I have found MRF904 but this is equally
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> Many designs of that era threw them around like
> popcorn, just like the 1970s designs that used 40673s
> by the dozen.
>
> A quick look through the Dick Smith Electronics web
> page suggests 2SC1674 might be worth a try. Small-
> signal NPN, Ft = 1.2 GHz, TO-92, $AUS 2.17 each.
>
> There is nothing that says you can't buy what you
> need overseas: either eat the minimum order and shipping,
> or pool your requirements with other local hams, or
> save up your requirements until you have enough to
> place a reasonable order.
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN89lg pied a terre..."
> ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte
>
> ___
> Chat with friends online, try MSN Messenger: http://messenger.msn.com
>



High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Tue, 24 Sep 2002 09:29:22 -0700

From: Mark Schoonover <schoon@amgt.com>
To: "'w3cde@bellsouth.net'" <w3cde@bellsouth.net>,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135915] RE: New Book: Simple Test Equipment for the QRPer now shipping
Message-ID: <BF889CEBEFD2D511B993009027F60ABE25183D@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

It looks like I didn't get the original announcement for this book. Where do
I send my $$$??

Thanks & 72

.mark

-----Original Message-----
From: W3CDE Jerry L. [mailto:w3cde@bellsouth.net]
Sent: Tuesday, September 24, 2002 7:58 AM
To: Low Power Amateur Radio Discussion
Subject: Re: New Book: Simple Test Equipment for the QRPer now shipping

Mike,

With that statement I assume they still empty the "chamber
pots" into the moat?? 8-) You can tell by the aroma.

Jerry
W3CDE

"Michael C. Boatright" wrote:
>
> All--
<SNIP>
>
> Sunday we visited Leeds Castle (real moat) then headed to the coast to
> visit Dick Pascoe, G0BPS, QRP ARCI Vice President, and Ian Keyser,
> G3ROO. I cannot begin to tell you how much I enjoyed the entire day, and
> especially meeting Dick and Ian and their wives (and Ben, Dick's border
> collie).
<SNIP>
>
> 73 de Mike, KO4WX
> Michael C. Boatright

Date: Tue, 24 Sep 2002 13:00:26 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: w2agn@w2agn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135916] Re: How Much do I Operate?
Message-ID: <3D909A2A.2349DD29@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I find it interesting that so many of us use different forms and modes
in ham radio, QRO is a valid exercise, as is SSB operation. You don't
have to use it often, but you should recognize that it exists! To say
there is only QRP, or only CW, is to be a little too scrupulous!

73
>
> I should have mentioned in the tally. All but 67 were QRP CW. Of the 67, 6 were
PSK31 or RTTY (not counting the PSK31 Sprint), 19 were QRO SSB and the rest were
> QRO CW.

Date: Tue, 24 Sep 2002 09:55:22 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [135917] RE: Replacement for 2N5179
Message-ID: <GNEOLGDJDOPEALHJMKLCMEECCMAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know about substitutes, but there is a place in Florida called
SkyCraft Parts and Surplus that has a huge pile of them for $1.00 each.
(2n5179)

They don't have an on-line order form, but you can email them or call them
and they will ship.

I love that place - that's the MAIN thing I miss about hamming in Central
Florida!! Every time I fly down there, I bring my checkbook and a big bag ;)

I'm not involved with them, except I've probably covered one salary there

over the years hi

Tracy N4LGH

Oh,
http://www.skycraftsurplus.com for their contact info.
Paul Taylor (ptaylor@agentissoftware.com) wrote:

>...The design uses a 2N5179 as a broadband injection
>oscillator buffer (HF only), and I can't source one
>locally (Australia).

Date: Tue, 24 Sep 2002 13:18:39 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135918] Homebrew Outbacker
Message-ID: <3D909E6E.BFB2E48C@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi there,

I once had this link to a site that described a homebrew outbacker, but
I lost it. Does anyone on here perhaps have a URL to this site?

Thanks and 73,
--Alex (KR1ST)

Date: Tue, 24 Sep 2002 10:40:34 -0700
From: Arth Silvers <w6ags@arrl.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [135919] Re: How Much do I Operate?
Message-ID: <3D90A392.2418D945@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Only been operating from Alpine County and mostly contests at that.
Moving the Bay Area shack into harmonics vacated bedroom and am, alas,
again without an antenna. Just wait 'til I get that G5RV up.

Contacts: ~50 +/-
Rigs: NC20, 2N2/40, SST20, SMK-1
Ant: W3EDP (variation on a 40 mtr EFZ)

73,
Arth W6AGS

Date: Tue, 24 Sep 2002 11:58:58 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [135920] "Home-Brew" = alcoholic?
Message-ID: <GNEOLGDJDOPEALHJMKLCOEEGCMAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I recently attended a breakfast meeting of a local repeater club. Pretty interesting group, mostly retirees, a lot of women and a few kids licensed there. Cool.

When they asked the people who haven't been to their meetings to stand up and introduce themselves, I mentioned I was into 'home brew,' assuming they knew what I meant.

During the course of the socialization I got drilled about drinking ... I didn't get it until I remembered having made the home-brew statement. The whole room practically did an 'OH!' when I clarified I was into home-brew RADIO, "You know, melting solder!" I said.

Is the home-brew label not really known among hams? I thought it was universally understood with radio enthusiasts - guess not!

Just thought I'd pass that experience on to you guys. I wonder if we need to 'promote' the term with the ham community so that they don't think we're alcoholics? (hihi)

Tracy N4LGH

Date: Tue, 24 Sep 2002 14:13:55 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: "Gay Family" <jakidz@pullman.com>, <qrp-l@lehigh.edu>
Subject: [135921] The non resonant monopole issues
Message-ID: <00b601c263fe$870cc800$4e100a0a@rohredt2000>

John,
The non resonant vertical monopole has another factor that detracts from the usefulness enjoyed by the non resonant doublet, and the non resonant balanced radial system.

First of all, the non resonant radial system if balanced, (equal numbers of radials opposed to each other), creates a minimum, if any, radiation from the radial. That is what balancing the numbers and directions is about. It thus provides a reflective uniform appearing ground plane approximation.

The non resonant doublet will have various lobes on its harmonics, but still will radiate in some useful directions, provided the antenna is in a central location to the rest of hamdom.

However, the non resonant monopole will have differing take off angles, when operated above the radial system, and some of those may be such high angle as to not result in DX. This might be OK in some cases, but since those angles are happening on the harmonic bands, where DX is usually sought, that makes this approach less desirable than the horizontal non resonant doublet on those same harmonic bands.

Good question, one that you never seem to see in the handbooks, or at least not in the way you asked.
73,
Stuart K5KVH

Date: Tue, 24 Sep 2002 12:16:56 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: QRP-l <qrp-l@lehigh.edu>
Subject: [135922] Re: How Much do I Operate?
Message-ID: <20020924191656.76908.qmail@web10007.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Since I got back on the air in March, I've had 391
QSOs, not counting contests/sprints. 100% were QRP CW,
the first 74 were with an old HW-7 at about 2W, the
rest with my K1 at 5W. I just added the Rock-Mite for
20M, and a 40M version is in the works.

=====
73, Lloyd, K3ESE
K1 # 00379 - ARRL
ARS #1301 - FISTS #8774
FPqrp #476 - QRParci #11147
QRP-L #2415 - SOC #530
HGT #6'1 - Wgt #190 - BT #B-

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

Date: Tue, 24 Sep 2002 15:17:22 EDT
From: WA6GER@aol.com
To: qrp-l@lehigh.edu
Subject: [135923] Lead Acid Reverse Charge Question
Message-ID: <183.ee9fdff.2ac21442@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I bought a trickle charger for a 100 AH battery (Optimo 800). Did not check output from charger. Checked battery a couple or so weeks later. Zip. Reversed leads and 12V. Checked charger. Red clamp on negative lead and Black on positive lead.

So, I have reverse charged this beautiful power source. Local battery place said to dispose of it in an environmentaly correct manner. Said wouldn't work discharging and recharging in proper manner. So, I bought a new battery for $140 because I needed one that day.

Curious anyway, I am discharging said original battery with a 12volt bulb. What can I expect? Any chance that it will take a charge? If so, will it hold it? And what happens to the little wiggly things inside the battery when they get reverse charged?

Inquiring minds, etc.

Thanks for any enlightenment.

jim, WA6GER

Date: Tue, 24 Sep 2002 15:21:56 -0400
From: Jake Brodsky <frussle@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135924] Re: "Home-Brew" = alcoholic?
Message-ID: <5ae1puo7in7u9v8d4l4h2tmk7p08d2bvb1@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Tue, 24 Sep 2002 11:58:58 -0700, you wrote:

>Is the home-brew label not really known among hams? I thought it was
>universally understood with radio enthusiasts - guess not!

As a ham who has been known to build his own gear and as an amateur
brewer of beer, I have to say that brewing beer is by far the more
popular past time of the two. That's not to disparage anyone's
pastime, mind you, but it is a fact of life. =20

The original term "Home-brew gear" was in fact a tongue-in-cheek term.
It referred to what was once a shady practice of brewing your own
booze. =20

Jake Brodsky, mailto:frussle@erols.com
"Nearly fifty percent of all graduates came from=20
the bottom half of the class."

Date: Tue, 24 Sep 2002 14:33:20 -0500
From: Ken Hopper <khopper@uchicago.edu>
To: qrp-l@lehigh.edu
Subject: [135925] Re: How Much do I Operate? 596 in 2002
Message-ID: <3D90BE00.9398F6D3@uchicago.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Online log books updated after each QSO (automagically via awk script from
MixW32 log).

http://www.n9vv.com/log2002.html 596 Q's
http://www.n9vv.com/log2001.html 332 Q's
http://www.n9vv.com/log2000.html 492 Q's

rigs: OHR100a(30M), Rock-Mite20, K2(SSB/NB/ATU), Ten-Tec Jupiter, Ten-Tec
OMNI-D, PSK-80, PSK-20, PSK-10 [sold RH-NC20, DSW-40 in 2000]

dit dit
de ken n9vv

Date: Tue, 24 Sep 2002 15:52:29 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [135926] Re: "Home-Brew" = alcoholic?
Message-ID: <5.1.0.14.1.20020924155045.00a9d910@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Just thought I'd pass that experience on to you guys. I wonder if we need to
>'promote' the term with the ham community so that they don't think we're
>alcoholics? (hihi)

Tracy,

I don't know about your area, but most of the hams I associated with knew
what homebrewing (as applied to radio) meant.

Maybe it's the fact that home brewing (the other kind) is becoming more
popular in general.

Dave

Electrical items never die, you see, I am merely unable to revive them with
today's technology.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 24 Sep 2002 15:49:21 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <WA6GER@aol.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135927] Re: Lead Acid Reverse Charge Question
Message-ID: <001f01c26403$80686540$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;

```
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I bought a trickle charger for a 100 AH battery (Optimo 800).  Did not
check
> output from charger.  Checked battery a couple or so weeks later.  Zip.
> Reversed leads and 12V.  Checked charger.  Red clamp on negative lead
and
> Black on positive lead.
>
> So, I have reverse charged this beautiful power source.  Local battery
place
> said to dispose of it in an environmentaly correct manner.  Said
wouldn't
> work discharging and recharging in proper manner.  So, I bought a new
battery
> for $140 because I needed one that day.
>
> Curious anyway, I am discharging said original battery with a 12volt
bulb.
> What can I expect?  Any chance that it will take a charge?  If so, will
it
> hold it?  And what happens to the little wiggly things inside the
battery
> when they get reverse charged?
>
> Inquiring minds, etc.
>
> Thanks for any enlightenment.
>
> jim, WA6GER

Well, IF in the process of the reverse charge you shorted the battery
in such a way that the short is easy to clear, you may have a salvagable
battery.  NiCads will do this, as once they hit '0' continued current (a
reverse charge looks the same as a dead cell still in a pack with current
flow from that cells point of view)  tends to make 'dendrites' form which
shorts out the cell and actually protects it.

I don't think a 'lead acid' type cell will do that though.  I believe that
in
your case the plates are probably ruined.  But, before I would heave
it, I'd just plain try it.  You got nothing to loose, right?  I mean, it's
headed for the trash.  See what you can get out of it.   But I wouldn't
expect it to perform to specs.

Mike
```

Date: Tue, 24 Sep 2002 16:03:58 -0400
From: Pete Burbank <plburbank@kih.net>
To: Jim Crooke <crooke@prodigy.net>
Cc: qrp-l@lehigh.edu
Subject: [135928] Re: mu metal source
Message-ID: <5.0.2.1.0.20020924155839.00a08cf0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Well, it is usually doing nothing structurally, not drilled or radically
bent and sort of a grey color.
Thickness is like shim stock and of course wrapped around things like
meters, motors,
xformers, and CRTs
73
Pete NV4V

At 12:05 PM 9/24/2002, you wrote:
>At 11:49 AM 9/24/2002 -0400, you wrote:
>>Scrounger Alert!
>>Recently someone asked about a source. I came across 2 pieces in the
>>junkbox while
>>looking for something else. Strips of the metal is wrapped around the
>>drive motors in cassette decks.
>
>Hi Pete,
>
>How do you identify mu metal when scrounging? Is it distinct in some way?
>
>
>73 es oo de Jim KJ0C
>Healer of Brachycephalics and other fine looking creatures
>in Springfield, MO
>FP # -108 and semi-official veterinarian of the Flying Pigs QRP Club
>PITA #2 SOC #37

Date: Tue, 24 Sep 2002 16:11:34 -0400
From: geoff allsup <gallsup@whoi.edu>
To: ki6ds@dph.dpol.net

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135929] Re: How Much do I Operate?
Message-ID: <3D90C6F6.A6EE8C8E@whoi.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ouch, you had to ask!

QSO's in 2002:
 CW - 17 (all QRPTTF)
 PSK31 - 7
 a handful on 2M FM
Rigs used: Norcal Sierra, SWL PSK20 (and borrowed FT-817 for 3 of the PSK contacts)
Antenna: Norcal doublet

Currently "antennaless" since move to condo in late June and hectic summer (and HOT attic!!)

72,
geoff - W1OH
--

Geoff Allsup, W1OH gallsup@whoi.edu or w1oh@arrl.net
Research Engineer Upper Ocean Processes Group
Woods Hole Oceanographic Institution Woods Hole, MA, USA

Date: Tue, 24 Sep 2002 13:20:20 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: rohre@arlut.utexas.edu,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135930] Re: The non resonant monopole issues
Message-ID: <20020924202020.48363.qmail@web14205.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Stuart and company,

What you say is true from the technical end, but
antennas are a funny lot in the real world. I have
always looked at the results of test and plots as a
starting point and not the final point. Playing with
wire antennas is one area of this hobby which can be
enjoyed by almost all of us.

The non-resident mono-pole does develop e nasty high angle lobes on the upper bands. This is true if you run the model. But, they have worked DX in the past.

W1AB in an artical in the 1999 June QST describes a 40 meter 1/4 wave vertical feed with 450ohm line which worked DX on 20 meters and above. There have been similar articals in CQ and 73 over the years, so they all can not be wrong.

The models are correct, but the real world does strange things at times. The best advise I can give is to put it up and see what happens. No two antennas work the same as each installation has its own imperfections and these imperfections give you the surprises. Some times the surprise is bad, some times its good.

The nice thing about using wire, its cheap. If it does not work as you thought, take it down and try something else.

As soon as I can, one of the 40 meter 1/4 wave verticals with 3 to 4 radials and 450 ohm feed will be tried here. As they say, mileage may vary.

73 Bill kc4atu

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

Date: Tue, 24 Sep 2002 16:20:41 -0400
From: kwike@gdls.com
To: qrp-l@lehigh.edu
Subject: [135931] Coast Guard Communications
Message-ID: <OF38D88460.BD1F21C0-ON85256C3E.006F9B90@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

GENERAL DYNAMICS WINS $611 MILLION COAST GUARD CONTRACT - The U.S. Coast Guard on Tuesday awarded a team led by General Dynamics Corp. (NYSE:GD - News) a $611 million eight-year contract to modernize the agency's search

and rescue system for U.S. coastal and inland waters.
 "Basically, this is a short-range communications system that is designed to take the search out of search and rescue," said Coast Guard spokesman Lt. Ron Mench.
 Mench said the new system would help close a current gap of about 13 percent of U.S. coastal and inland waters where distress signals from boaters cannot currently be heard. It would also allow the Coast Guard to better pinpoint a boat's position, enhance playback of radio signals, and add capacity to prevent weak distress signals from being drowned out. (Reuters)

Date: Tue, 24 Sep 2002 16:34:33 -0400
From: Jim Stiles <jjstiles@optonline.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135932] Re: How Much do I Operate?
Message-ID: <5.1.0.14.2.20020924163209.02805b50@mail-hub.optonline.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Hi:

K2 23 CW Never greater than 5

Kachina 18 SSB Various Power, as needed never > 50 watts
Omni Vl + 11 SSB & PSK Various Power SSB 50, PSK 7-8

Travelling wave inverted vee or Butternut HF9B
Whichever produced the strongest receive

72 Jim Stiles
W2NJN
K2 599\
licensed since 1939

Date: Tue, 24 Sep 2002 13:34:22 -0700

From: "Richard Johnson" <richard_johnson@credence.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135933] Redhot NorCal 20M or NorCal Sierra
Message-ID: <3D90CC4E.94EE2C76@credence.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group:

I am looking for insight into the performance on 20M between the Red-hot Norcal20 and NorCal Sierra.

Both are simple receivers; one with 9.000 MHZ IF and the other 4.915 MHz IF. One has a NE602 front end mixer the other a SBL-1 equivalent. One minimizes magnetic, the other uses a normal amount.

Any comments on either would be appreciated.

cheers,
rich

Date: Tue, 24 Sep 2002 16:58:55 -0400
From: Larry - WA2DGD <wa2dgd@comcast.net>
To: NJQRP-List <NJQRP@NJQRP.ORG>,
 Low Power Amateur Radio Discussion <QRP-L@lehigh.edu>
Subject: [135934] Elmer 101 course
Message-ID: <00b201c2640d$31f530a0$6401a8c0@hamroom>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hello,

I wanted to give a sincere Thank You to any and all list members that contributed to the Elmer 101 course which involves the SWL+ kit.
I finished up the course and the kit, it was everything I had hoped it would be. I've been a ham for over 35 years and this course put everything I learned from license manuals into the proper perspective. I now fully understand such concepts as mixers, I.F., crystal filters, local oscillators, etc. because of the "hands on" type of learning that the course involves.
I am truly impressed by the amount of time, and the great explanations of theory and circuits that the "teachers" gave throughout the course. It is specifically to you guys that I am writing to let you know your efforts are

very much appreciated. I always wanted to do something like this and it fulfilled all my expectations.
Besides the knowledge gained, I now have a great little 20 meter, 2 watt rig and have managed to work 5 countries in 2 days.
Again, thank you for your time and effort.

73
Larry
WA2DGD
K2 #1672
ARCI QRP #11215
NJ-QRP# 395

Date: Tue, 24 Sep 2002 17:00:51 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <richard_johnson@credence.com>
Subject: [135935] Re: Redhot NorCal 20M or NorCal Sierra
Message-ID: <003701c2640d$79eb2040$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I haven't used a Sierra, but I think I can say unequivocally, that when the bands are crowded with strong signals, -no- NE602 based receiver can compete with the NC-20. The operational difference is pretty dramatic, actually. It's not just a question of the numbers being better. In fact, the NC-20 is noticeably better than the $1000 class rice boxes, which themselves are significantly better than the 602 based rigs.

Of course, you pay a price in power consumption. The NC-20 has approximately twice the receive current of the typical 602 based radios (tho nowhere near the appetite of the rice boxes).

72/73 de WB8RCR http://www.qsl.net/wb8rcr
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Richard Johnson" <richard_johnson@credence.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, September 24, 2002 4:34 PM
Subject: Redhot NorCal 20M or NorCal Sierra

> Group:
>
> I am looking for insight into the performance on 20M between the Red-hot
> Norcal20 and NorCal Sierra.
>
> Both are simple receivers; one with 9.000 MHZ IF and the other 4.915 MHz
> IF. One has a NE602 front end mixer the other a SBL-1 equivalent. One
> minimizes magnetic, the other uses a normal amount.
>
> Any comments on either would be appreciated.
>
> cheers,
> rich
>

Date: Tue, 24 Sep 2002 14:08:51 -0700 (PDT)
From: Dennis Doran <wb8wtu@yahoo.com>
To: qrp-l@lehigh.edu, WA6GER@aol.com
Cc: wb8wtu@yahoo.com
Subject: [135936] Re:Lead Acid Reverse Charge Question
Message-ID: <20020924210853.40307.qmail@web40102.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Jim,

You may receive different takes on this. Batteries
are my thing, so here's mine. Unfortunately, your
local battery place was correct, and an expensive
lesson learned. Once a Lead Acid (wet cell), or
even a Sealed Lead Acid (SLA), is reversed charged in
this manner - the damage is done.

You may be lucky, and get it to take a charge after
discharging it, but it's ability to hold a charge
(capacity) has been compromised. The little wiggly
things inside are now facing the wrong way. Some
chargers have built-in protection to prevent damage
to either the battery or charger when this happens,
but not all.

At a rating of 100 AH, be careful with the tools. You
can weld with that thing.

73,

dennis
WB8WTU

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

Date: Tue, 24 Sep 2002 15:36:40 -0600
From: "" <markb@abq.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
 WA6GER@aol.com
Subject: [135937] Re: Lead Acid Reverse Charge Question
Message-ID: <e439a03605ea4de8aebee17a2efe182b.markb@abq.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

WA6GER@aol=2Ecom wrote;

> I bought a trickle charger for a 100 AH battery=20
> Reversed leads =2E=2E=2E So, I have reverse charged=20
=2E=2E=2E
> Any chance that it will take a charge? If so, will it hold it? =20

This definitely falls into the "got nothing to lose" category=2E
The one thing going in your favor is it was just a trickle=20
charger, which appears to have merely discharged it to dead
perhaps a bit more quickly than a resistive load=2E It *is*
possible to reverse charge a lead acid battery with a nominal
amount of capacity, but it doesn't sound like you did=2E Another
thing in your favor is as a battery approaches this state of
"dead" it's internal impedance is pretty high; a trickle charger
would have a tough time passing enough current through it to
cause a significant effect of irreversable processes=2E

Do like you'd do for any other dead gel cell or flooded battery,
let it soak at low current (~1A) at whatever voltage it wants
to rise to for a day or so after it starts taking a charge=2E Do a=20
discharge test into a known load down to 10=2E5V under load, then=20
recharge and test again=2E Repeat until you don't see any increase in=20
Ah's, you're at the best you're going to get=2E You never know until=20
you test it=2E It may not be as bad as you think, try it and see=2E =20
Depends on how old it was and what kind of cycles it went through=20

before the "event"=2E

> what happens to the little wiggly things inside the battery=20

They stop wiggling=2E :-) I suspect you're referring to the plate separators==2E
They're inert, just serve the purpose of separating/supporting the=20
plates and keeping the postive plate paste in place (say that 3 times=20
fast)=2E It's the positive plate and paste that take the beatings during
deep discharges, you can't actually see anything=2E On a severely=20
abused flooded battery sometimes the paste starts to come loose
and the electrolyte looks like muddy water=2E

73,

Mark K5LXP=20
Albuquerque, NM
k5lxp@arrl=2Enet

Date: Tue, 24 Sep 2002 17:48:40 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kr1st@amsat.org, qrp-l@lehigh.edu
Subject: [135938] Re: Homebrew Outbacker
Message-ID: <3D90DDB8.55CAA6EA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex,

The Outbacker is a special case of a helically wound vertical.
Helically wound verticals are fairly easy to design but somewhat of a
pain to build! They consist of a wavelength of wire for a particular
frequency wound on a form. This us the fluff that appears in the ARRL
Antenna Handbook. Acttualy it is a bit more complex!

Start with a full wavelength of wire at the lowest frequency you want.
Pick a form. A fiberglass fishing rod works well enough. Be sure it
is long enough to wind all your wire on. Now wind your wire with a
pitch of at least 1/2 inch between turns. A larger pitch would be
better, but the pole is the limiting factor. Wind some extra tuns on

the form.

Now, mount the antenna over a ground plane. Don't scrimp too much here. Using a grid dip meter measure the resonance at the base. Remember, you will influence the measurement so find a way to be out of the near field while measuring the frequency! Use binoculars and make grid dip adjustments slowly. There are other methods of measuring resonant frequency besides the grid dip meter. After you have found the resonant point you can adjust it to what you want by either adding or trimming wire from the end. I warn you, this is a long process, I know, I have built several helically wound dipoles!

Now, let's, say you built your antenna for 40 meters. You want to also use it on 30, 20, 17, 15, 12, and 10. You have to arrange a tap for each frequency! This is very easy, after you have built the first model! But it is a real pain for the first one. You can try marking the wire for each frequency's wavelength, and adjusting whatever amount you found for the lowest frequency. But there are no guarantees! You might hit it and you might not! If you persist, you will hit it!

Frankly, buying the antenna is easier!

73

Date: Tue, 24 Sep 2002 21:48:34 GMT
From: rsstone@juno.com
To: QRP-L@lehigh.edu
Subject: [135939] NE602 Front-Ends and Contests
Message-ID: <20020924.174913.18901.68734@webmail5.nyc.untd.com>

Hi - To follow-up on an earlier posting, I'm interested in hearing
 people's experiences using rigs with NE602 front-ends during contests
 like Field Day, Sweepstakes, etc. This can include rigs like the K1, Sierra, SW series, etc. Can such rigs be competitive - ie., has anyone scored very well with them? Did the intermod. products
and related distortion result in operator fatigue and/or bury many
 signals that could be heard on rigs with better front-ends? Could some of problem be handled simply by turning down the RF gain? Thanks for sharing your views and experiences!

72,

Ron (KA3J)
Bethesda, MD

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http://dl.www.juno.com/get/web/.

Date: Tue, 24 Sep 2002 17:17:18 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Bill ROWLETT" <kc4atu@yahoo.com>, <qrp-l@lehigh.edu>
Subject: [135940] Re: The non resonant monopole issues
Message-ID: <00ce01c26418$24e3d960$4e100a0a@rohredt2000>

Bill,
You bring up a big point. I should hasten to say that the undesired high angle modes of the untuned monopole probably are accompanied by lower angles as well, which would account for DX working. But, the non resonant monopole is dividing up your valuable QRP power into those non productive angles as well as the productive ones, while the quarter wave vertical on a given band has mainly low angles. Nothing there in conflict between Physics and real life. It is just, that to get best effect, the monopole should be picked to be one making low angles, (if you want DX). Some lengths are less useful than others. Certainly it is useful sometimes to have a vertical, if that is all you have, that can work both short skip and long.

The various loaded mobile antennas work their share of DX when conditions are right. Been there done that, with loaded 8 foot whips.

It is likely, once the wave is launched, that many propagation factors of a given time affect what your signal does. It is known that signals do not take exactly straight ray traces, but may be reflected from areas of higher ionization other than on the great circle path. It varies with bands also. Generally, I have worked longest distances with short monopoles on the highest bands.

The question is an excellent one, and like the use of vertical dipoles, much understudied in the ham community. As our recent research into Wheeler's world of 0.1 wavelength down to 0.01 wavelength antennas has shown me, we have much to learn about what antennas can do. I hope we hear of your experiments. The lower losses of 450 ohm feed is also a worthy advantage of the non resonant monopole approach and will work well on the band where the antenna is a quarter wave tall.
I often urge folks to not rely on only one antenna. A combination of horizontal and vertical antennas will let you take advantage of most types of propagation.

The non resonant wires are easy to put up, and try, and then as you say, if you desire something else you can then try that.

72, Stuart K5KVH

Date: Tue, 24 Sep 2002 18:22:53 EDT
From: WA6GER@aol.com
To: qrp-l@lehigh.edu
Subject: [135941] Addendum: Reverse Charging Question
Message-ID: <41.23e6a3a7.2ac23fbd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks for the many replies that have been received already. I will continue with the "nothing to lose" experiment.

I forgot to ask in my original posting: I measured 12volts positive from the negative terminal, and everything seemed normal except just backward. What if I had hooked a rig up using reverse terminals? Blow up the rig?

Curious.

jim, WA6GER

Date: Tue, 24 Sep 2002 18:30:24 -0400 (EDT)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: rsstone@juno.com
Cc: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [135942] Re: NE602 Front-Ends and Contests
Message-ID: <10811-3D90E780-1163@storefull-2154.public.lawson.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Well, I can only speak in regards to theSW-xx+ rigs, and I have never had a problem with them that cranking down the gain control wouldn't solve. I don't even have a problem when W1AW is on <grin>. I normally run the gain at about 65% and adjust from there. I found at that level, you can still pick out the really weak ones and you won't get pounded by a KW station close by.

As far as 'tests go, I have not really ran any of them really hard, but have got on the air during them. I found that the SW rig was just as good, if not better than my TS-680S (stock), in dealing with QRM and overload. I am up in a "RF Hole" in N. Michigan so that may have some bearing on it as well

72 es oo

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499
FISTS # 9299
GACW #622
ARS #1363

Date: Tue, 24 Sep 2002 17:23:05 -0500
From: George Franklin <w0av@juno.com>
To: res075cz@gte.net
Cc: qrp-l@lehigh.edu
Subject: [135943] Re: How Much do I Operate?
Message-ID: <20020924.173311.-1389263.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Jim,

I am very familiar with Heising (Hissing?) choke modulation, loop modulation and grid and grid-leak modulation from the old pre-WW2 160 AM days, but I never heard of Rothman modulation.

Please enlighten me.

72 de George/W0AV
Hamming since '35

Date: Tue, 24 Sep 2002 22:39:36 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [135944] LINUX Morse Code Generation

Message-ID: <5.1.0.14.0.20020924221929.009ffb30@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I have added to the web page

http://www.qsl.net/k7qo

and in particular

http://www.qsl.net/k7qo/linux.html

a program to generate morse code using a C program running only under the LINUX operating system. I have loaded the binary (only a little over 13K, but it does create a 120MB buffer when it starts up) and some sample files to run on the web page at qsl.net.

The web page has all the instructions you need to run the program.

I wrote the program almost 10 years ago on an SGI workstation and have been using it regularly to generate CDs for the almost 2 hrs per day that I try to walk to keep in shape and keep from having another heart attack. You get serious about this stuff after the first one. :-) Because of the byte ordering you have to run "dd" to swap the byte ordering (the conv=swab option).

Sorry, but I will not support the other operating systems. I don't want to spend the time and the money for a C compiler, etc. I have enough projects going as it is. :-) ;-) And sorry, but the source is not available for distribution. Too much invested on my part to let it go at this time. Maybe in the estate sale.....

Some notes:

1. You can use this program to generate morse from any plain text. Word of warning. If you download from the internet you had better be prepared to learn what a (,), ", and other symbols sound like in morse code. :-)

2. Make sure you listen to code at the lowest volume you can. Too high a volume for long periods of time can cause hearing loss. Same with music, etc.

3. This is a great program for you to use to generate text for the

visually impaired. You can download books from the Guttenberg Project and other places and the daily news also. Heaven forbid that you take the daily QRP-L digest and convert it. :-)

4. You can use

```
cdrecord -v speed=16 dev=0,0,0 -pad -audio *.aiff
```

to create a regular audio disc from the files if you want to use the car/truck stereo player or your walkman type players.

5. More notes to follow as I think of them.

6. It does a 5ms rise and fall time, so any thump you hear in headphones/speakers/... are the fault between the sound card/CD and the output system..... I reduce the rise/fall time to 3ms and lower at speeds above 55wpm.

7. I have the program running under SuSE 8.0 Pro O/S, but it should work under all the others. Let me know if it does not and I'll try to modify it. I spent $79.99 on the SuSE and couldn't justify the $179.99 for RedHat Pro.

Some people complain that tapes and CDs get memorized. So what?

Didn't we memorize every word that we know in whatever language we use or have learned?? We did it by repeating over and over and over and

See Jane.
See Spot.
See Jane run.
See Spot run.
Run Spot run.
...

A B C D E F G H I J K

All these we know (or should know) if we did our homework.

And as a side note. I have a bunch of tapes from Wright and others that were generated a long time ago. I'm listening to them and typing them in to regenerate files for running through this program. Sounds a lot better. If you have any you want me to do, let me know while I'm at it. I wish I had a broadcasters voice (the reason I only do CW) to add verbal audio information and instructions. :-)

Enjoy,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
http://www.qsl.net/k7qo

Moving to Arizona? --- Bring your own water, please.

End of QRP-L Digest 2688

